HADDONSTONE

Fine garden ornaments and architectural stonework

ARCHITECTURAL STONEWORK

The standard range of designs in Haddonstone's Collection offers architects and designers the opportunity to use architectural components true in spirit to the orders of classical architecture. In most circumstances the standard range of designs will satisfy the architect's requirements. Where it cannot, Haddonstone can and do produce custom-made designs to order, as can be seen from the Inspirations images on the following pages.

"Classical architecture is dignified; it is capable of magnificence as well as humility. It can, by the use of its mouldings and vocabulary, express an infinite variety of moods and conditions of man whether it be national, social or historical. It is the expression of civilised man where every person is different."

Quinlan Terry, 1968

ARCHITECTURAL STONEWORK INSPIRATIONS

With imagination and inspiration, architects and designers can use Haddonstone designs to great effect in a variety of commercial and residential projects, as can be seen by studying the following pages.

Each project has been achieved by using either standard Haddonstone components or custom-made designs created by utilising the company's skilled craftsmen and extensive mould-making facilities. Within reason, the only constraint is your imagination...

This imposing neo-classical residence incorporates a Haddonstone portico, pediment and garden ornament.

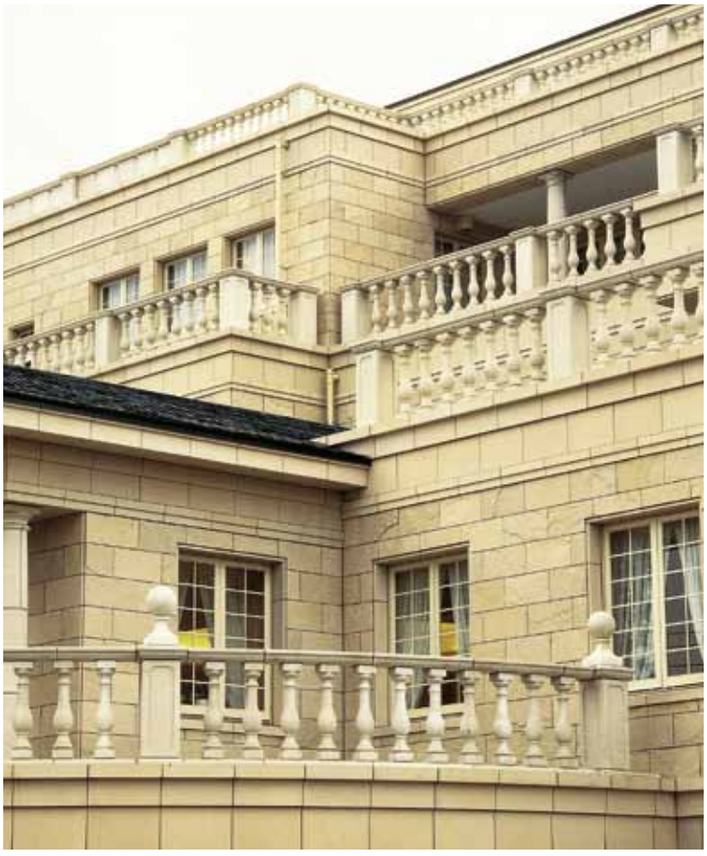
Substantial extensions to Malvern College feature custom designs sympathetic to the architectural style of the original buildings.

Custom cladding at Brick Lane Mosque, London.

London's Whittington Hospital features Haddonstone detailing.

The dramatic entranceway to The Rutherford Centre for the Performing Arts at Wimbledon High School utilises custom cladding from Haddonstone.

ARCHITECTURAL STONEWORK INSPIRATIONS



Hospital in Japan makes extensive use of custom and standard Haddonstone.

Façade stonework at Longborough Festival Opera, Gloucestershire.

Japan's Mito Golf Clubhouse features balustrading, columns and window surrounds by Haddonstone.

Client: Mito Golf. Design and Build Contractor: Shimizu Corporation

Dramatic portico and balustraded balcony in Leicestershire.

ARCHITECTURAL STONEWORK INSPIRATIONS

Custom façades at the Marshes Shopping Centre, Dundalk, Ireland.

Magnificent Surrey residence fully utilising both standard and custom designs.

Architects: WRD & RT Taggart Client: McLaughlin & Harvey Surveying: Hughes McMichael

Haddonstone has been used extensively in the building and landscape at Coworth Park, Dorchester Collection's luxury country house hotel and spa in Berkshire.

Haddonstone columns, entablature and plinths combine to great effect with natural granite at The Academy Shopping Centre, Aberdeen.

This stunning property in Leicestershire combines standard and custom-made architectural stonework in Haddonstone, TecLite and TecStone.

Developer: Alpha Homes

ARCHITECTURAL STONEWORK INSPIRATIONS

Custom entrances created for Camberley's Main Square shopping area.

Unique Orangery at Thamesfield Nursing Home, Henley-on-Thames.

Bespoke gate piers at Swinfen Hall Hotel in Staffordshire.

This inspirational Surrey home makes full use of Haddonstone's capabilities - from collonaded entrance portico and balustraded parapet to window surrounds and band courses.

Design & Build: Simon Barnett.

ARCHITECTURAL STONEWORK INSPIRATIONS

Development in Berkshire featuring a wide range of Haddonstone designs.

Spectacular private residence in Middlesex incorporating custom portico.

Haddonstone's standard and custom-made stonework in Bedfordshire.

Architects: Robert H Robertson & Associates

Omni Shoreham Hotel in Washington DC features Haddonstone designs.

Private house in Staffordshire incorporating window and door surrounds.

Custom and standard designs combine at this Ohio residence.

A private residence in West Yorkshire featuring a curved Haddonstone portico with balustraded balcony and a Mount Edgcumbe Finial in the foreground.

Langdale Chase Hotel in Cumbria contrasts local stone with Haddonstone.

Extension to St Mary's Church, Loughton, Essex incorporating slender custom columns with dramatic effect.

Stonework installation: Les Simblet.

Haddonstone supplied the bay window and TecLite quoins, strings and cladding panels for this development in Leicester.

Significant Surrey residence incorporating Haddonstone extensively.

The entrance to the Atlantic Hotel, Jersey features Haddonstone columns.

London residence transformed by incorporating Haddonstone architectural features including custom portico, window heads and cills, quoins, copings and balls.

ARCHITECTURAL STONEWORK INSPIRATIONS

Architect/Designer: Sampson Associates

The Castle public house, Woodford Green, Essex was transformed by the imaginative use of stonework - including columns, parapet screening, statuary, finials, door surrounds, chimney pieces and a Venetian Folly façade.

Original Design: Michael Rosenauer, Tonnet & Associates

The Sheraton Heathrow Hotel features Haddonstone balustrade.

Haddonstone can be painted and gilded to great effect, as seen at this grand residence in Northamptonshire.

Client: Ragdale Hall Health Hydro, Leicestershire.

Stylish jacuzzi featuring Haddonstone Columns and entablature at a prestige Health Hydro in Leicestershire.

ARCHITECTURAL STONEWORK BALUSTRADES

THERE ARE FOUR TYPES OF BALUSTRADE:

The Standard Range

Illustrated on pages 137, 138 and 139, the standard range is available in six styles: Flat, Part-Weathered or Weathered, each available to suit central or side run-in situations, with a choice of standard balusters. If balustrades are to be used as a parapet wall or a raised terrace edge, we have several optional under-copings that can be used below plinth course to increase the height of the balustrade, or to cope a substructure.

The 1100 Balustrade

Shown on page 140, this is a heavier balustrade designed to comply with the Building Regulation height of 1100mm (43 5/16") required in certain instances. It comprises a weathered rail, weathered plinth, Georgian-style baluster and rectangular pier.

The Kensington Balustrade (USA only)

Shown on page 140, this is an imposing balustrade of handsome proportions.

It comprises weathered rail, upper and lower plinths, Regency-style K610B square balusters and rectangular piers. The plinth moulding is used to frame the inset panel of the pier shaft.

The Spiral Balustrade

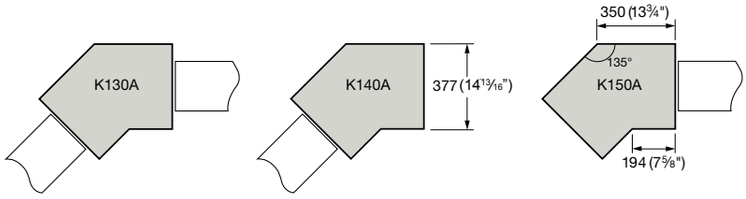
Shown on page 141, the Spiral Balustrade is available only with flat rail, K533G-style baluster, standard style of plinth and optional T920 style of under-coping to the radii and falls indicated.

The Standard Range
Style FC: Flat Central Run-in

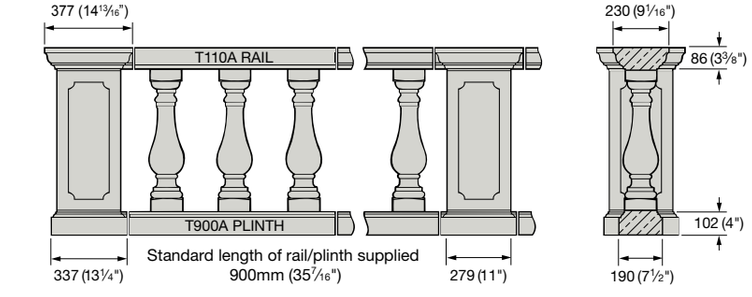
See page 144 for balusters.

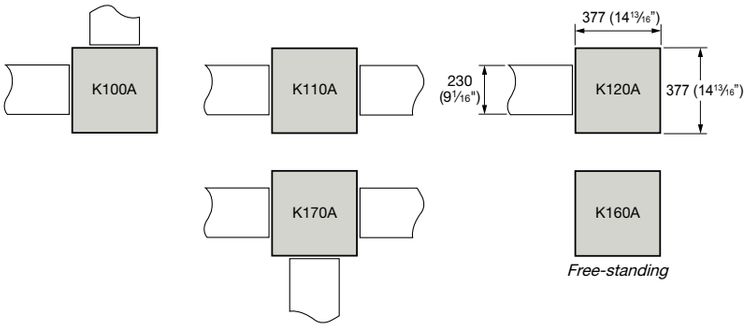
TS Tech Sheet No.B10 & B70

Plans below show Pier Caps.
For component weights see page 143



FC style with K533G Balusters/T930 Under Copings



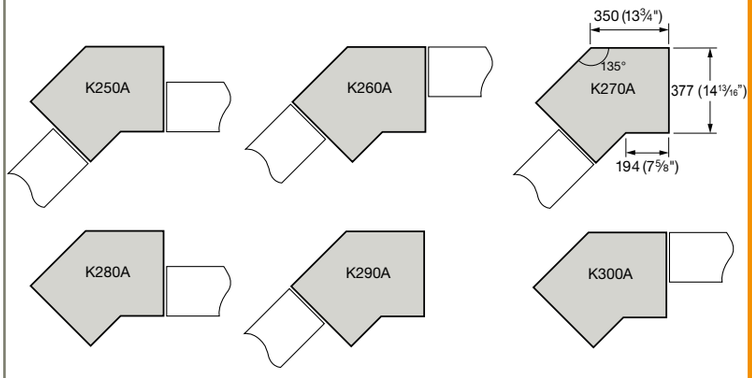


The Standard Range
Style FS: Flat Side Run-in

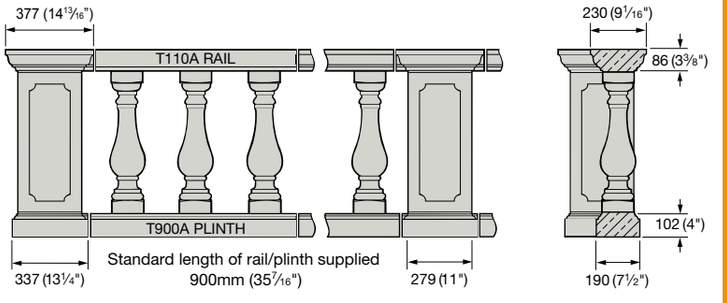
See page 144 for balusters.

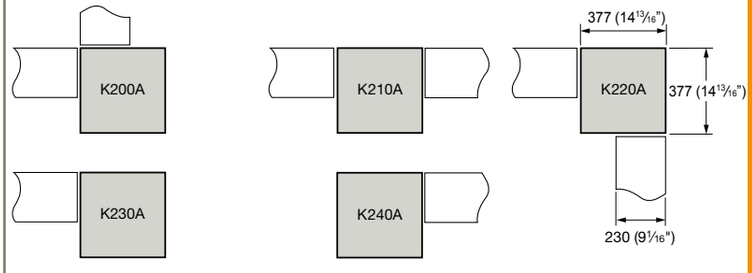
TS Tech Sheet No. B15 & B70

Plans below show Pier Caps.
For component weights see page 143.



FS style with K533G Balusters/T925 Under Copings



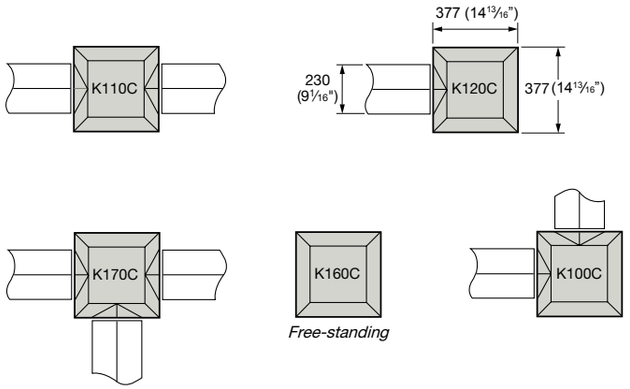


The Standard Range
Style PC: Part-Weathered Central Run-in

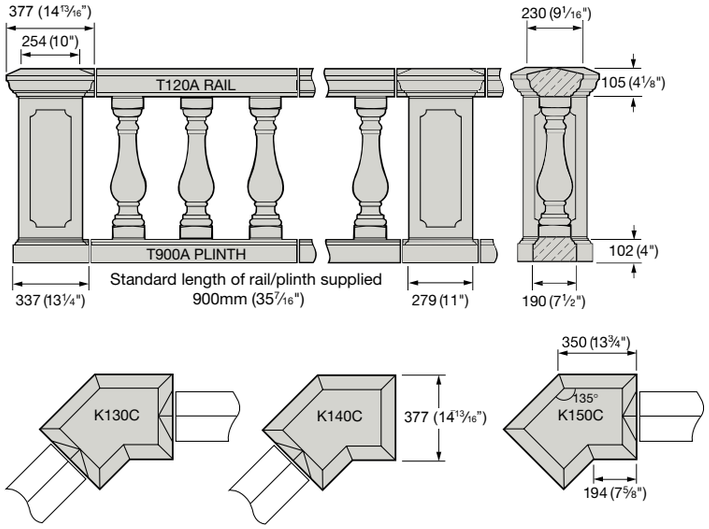
See page 144 for balusters.

TS Tech Sheet No.B20

Plans below show Pier Caps.
For component weights see page 143.



PC style with K457G Balusters / Q560 Plinth (custom piers)

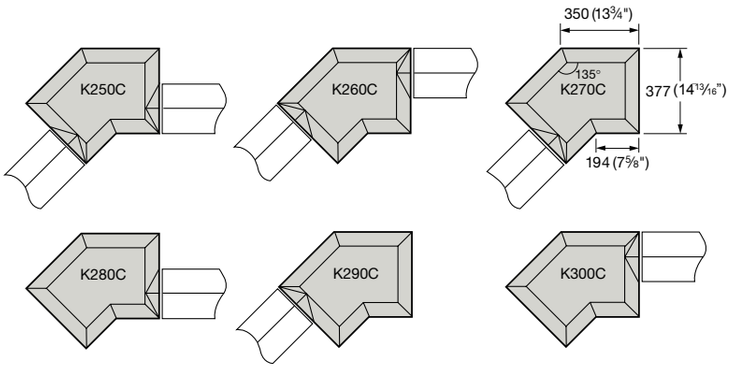


The Standard Range
Style PS: Part-Weathered Side Run-in

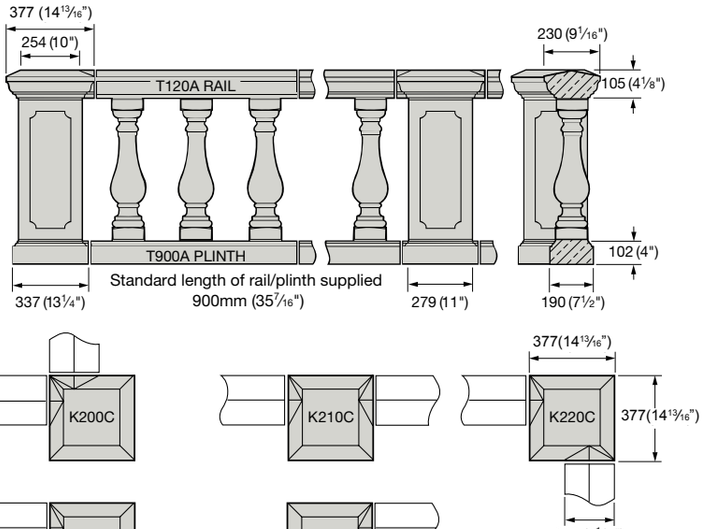
See page 144 for balusters.

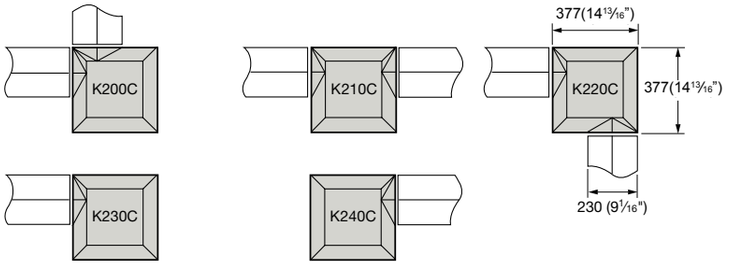
TS Tech Sheet No. B25

Plans below show Pier Caps.
For component weights see page 143.



PS style with K533G Balusters





Custom-made products are available on request.

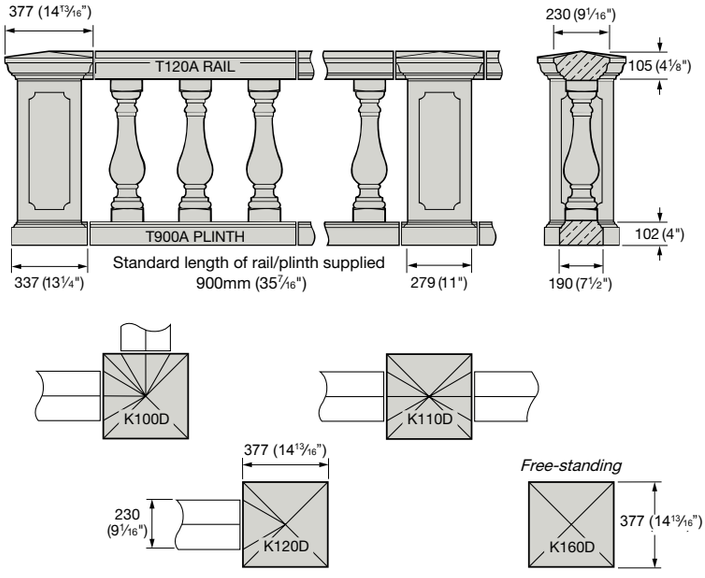
The Standard Range
Style WC: Weathered Central Run-in

See page 144 for balusters.

TS Tech Sheet No.B35

Plans below show Pier Caps.
For component weights see page 143.

WC style with K610G Balusters



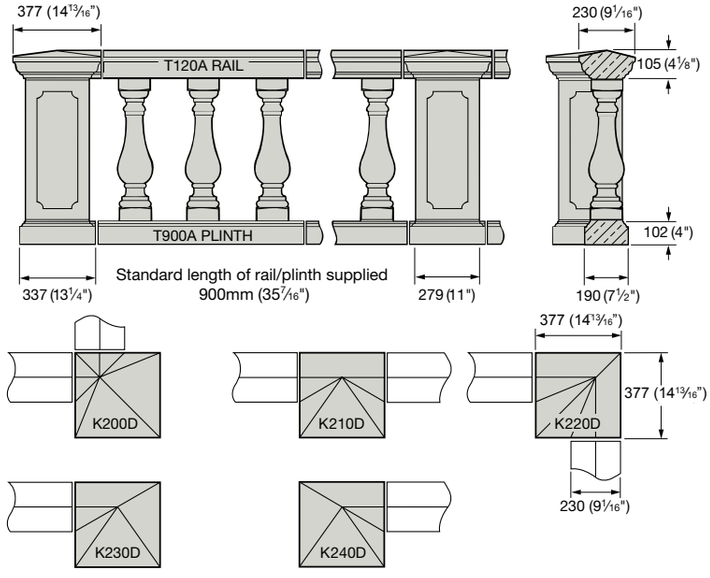
The Standard Range
Style WS: Weathered Side Run-in

See page 144 for balusters.

TS Tech Sheet No. B35

Plans below show Pier Caps.
For component weights see page 143.

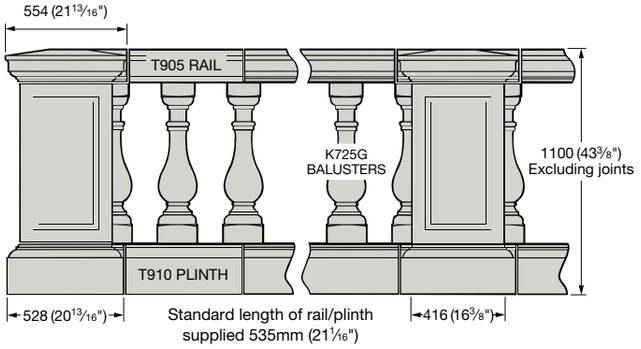
WS style with K533G Balusters



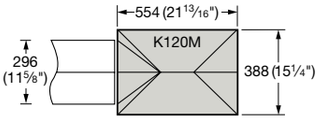
The 1100 Balustrade

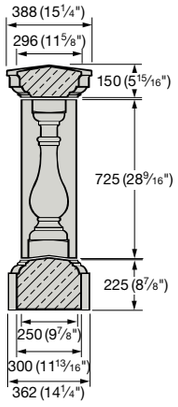
The 1100 Balustrade is offered as an alternative to the Standard Range should you require a heavier design of balustrading. It also complies with the Building Regulation height of 1100mm (43⅝"), which is required in certain instances, without the need to use additional under-copings or to construct upstands.

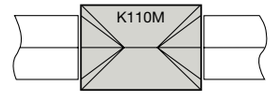
TS Tech Sheet No. B40

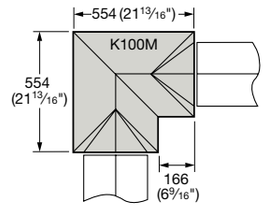


K725G Baluster - 20kg (44 lb)
Standard Pier (complete) - 212kg (466 lb)
Corner Pier (complete) - 296kg (651 lb)
T905 Rail - 67kg/m (45 lb/ft)
T910 Plinth - 121kg/m (81 lb/ft)







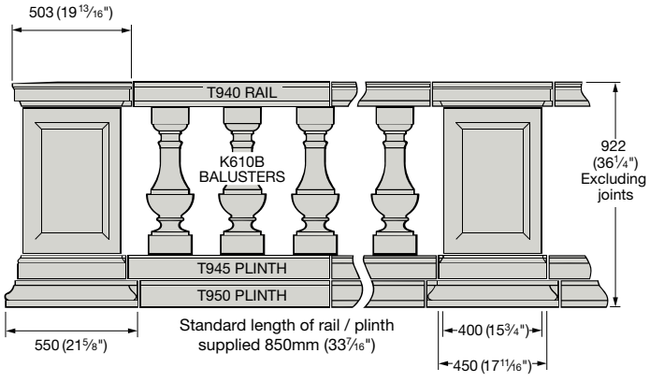


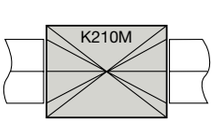
PLANS SHOW PIER CAPS

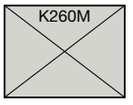
The Kensington Balustrade (USA only)

The Kensington Balustrade is an imposing balustrade of handsome proportions. It comprises weathered rail, upper and lower plinths, unique K610B square balusters and rectangular piers. The plinth moulding is used to frame the inset panel of the pier shaft.

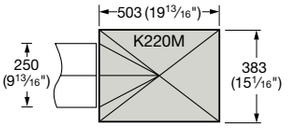
TS Tech Sheet No. B45



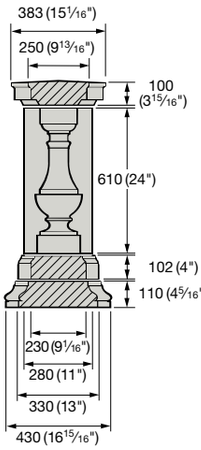


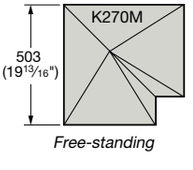


Free-standing

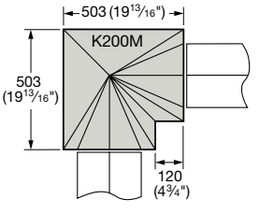


PLANS SHOW PIER CAPS



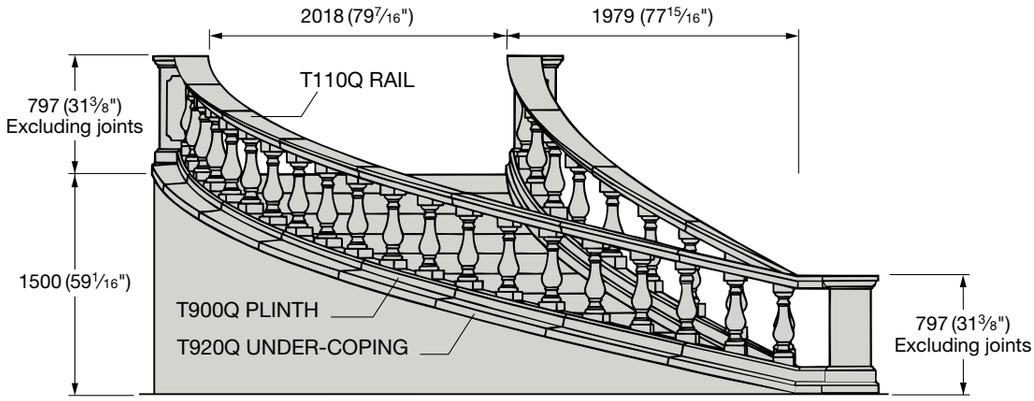


Free-standing



K610B Baluster - 21kg (46 lb)	
K200 Corner Pier (complete) - 300kg (660 lb)	
K210 Intermediate Pier (complete) K220 Terminal Pier (complete) K260 Freestanding Pier (complete)	232kg (510 lb)
T940 Rail - 37kg/m (25 lb/ft)	
T945 Upper Plinth - 41kg/m (28 lb/ft)	
T950 Lower Plinth - 57kg/m (38 lb/ft)	

Custom-made products are available on request.



Left hand Spiral Balustrade illustrated above.

The Spiral Balustrade

This is a very special type of balustrade and can be offered, as standard, only in the components and dimensions indicated in the table below.

TS Tech Sheet No. B60

Dimensions
Left and Right-handed 90° sweeps:
Total Rise: 1500mm (59 1/16")
Outer c/l Radius: 4112mm (161 7/8")
Inner c/l Radius: 1865mm (73 7/16")
Width of Staircase: 2018mm (79 7/16")

Components
FS-style balustrade comprising:
T110-style Rail
T900-style Plinth
KG533-style Baluster
T920-style Under-Coping (optional)

ARCHITECTURAL STONEWORK BALUSTRADES

Assembly Details

We recommend that non-ferrous fixings (available as part of the X950 Balustrade Installation Pack - UK only) be incorporated at all rail joints and in horizontal beddings in all cases. All balusters are supplied with stainless steel dowels for installing to rails and plinths. All rails, plinths and under-copings are supplied in standard lengths, cutting and drilling to final specification to be undertaken by your installation contractor.

Professional advice should be taken particularly where Building Regulations / Codes and local bye-laws need to be complied with. It is recommended that, if pier shafts are in-filled with concrete, the shaft section should be lined with polystyrene, Styrofoam or similar to act as an isolating medium.

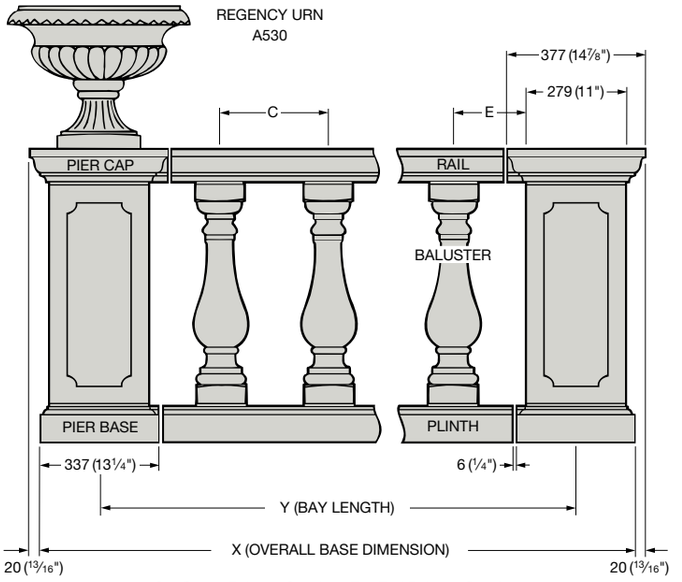
Haddoncraft Forge has a range of wrought iron Baluster Bars for use in conjunction with Haddonstone balustrading, see image below. The bars can be used to meet Building Regulation spacing requirements.

PS style with K610G Balusters and T920 Under-Copings

FS style with K724G Balusters

Haddoncraft Forge Baluster Bar

THE STANDARD RANGE



C = Centre Baluster Spacing. E = End Baluster Spacing

It is most important to refer to Tech Sheet GAR1 to ensure correct installation. Standard assembly recommendations and typical details are available on request. Please ask for the relevant Tech Sheet.

Cutting Recommendations:
TS Tech Sheet No. B50

General Assembly:
TS Tech Sheet No. GAR1

TABLE A

For normal baluster spacing: approx. 305mm (12") centres

Select highest band available unless there are other overriding factors

Band	Bay Lengths (centreline to centreline of piers) in mm	Bay Lengths (centreline to centreline of piers) in inches	Rails/Plinths No. of 900mm (35 7/16") long rails/plinths and under-copings where applicable)	Balusters
1	-829	-32 5/8"	1	1
2	830-1129	32 11/16"-44 7/16"	1	2
3	1130-1249	44 1/2"-49 3/16"	1	3
4	1250-1429	49 1/4"-56 1/4"	2	3
5	1430-1729	56 5/16"-68 1/16"	2	4
6	1730-2029	68 1/8"-79 7/8"	2	5
7	2030-2155	79 15/16"-84 13/16"	2	6
8	2156-2329	84 7/8"-91 11/16"	3	6
9	2330-2629	91 3/4"-103 1/2"	3	7
10	2630-2929	103 9/16"-115 5/16"	3	8
11	2930-3061	115 3/8"-120 1/2"	3	9
12	3062-3229	120 9/16"-127 1/8"	4	9
13	3230-3529	127 3/16"-138 15/16"	4	10
14	3530-3829	139"-150 3/4"	4	11
15	3830-3967	150 13/16"-156 1/8"	4	12

This table has been compiled to give an approximate Centre Baluster Spacing (see diagram) of 305mm (12") and a fixed End Baluster Spacing of 200mm (8").

Custom-made products are available on request.

The Standard Range

Tables A, B, C, D and E have been compiled to simplify the ordering of the STANDARD RANGE of balustrade components and enable you to design and price your own balustrade. Alternatively, approximate guide prices can be obtained from the price list.

You will also find below tables of the many horizontal curves and ramps available in the STANDARD RANGE – these are shown in Tables C and D.

The terms Weathered and Part-Weathered refer to the style of the balustrading rails and caps and not to the maturity of the stonework. For standard colours and finishes see page 206.

Haddonstone (USA) Ltd offers additional Balustrades and Parapet Screening designs to comply with specific Building Codes. For further details, refer to the Architectural Supplement or view:

www.haddonstone.com/view-catalogue

HOW TO USE TABLES A and B

By following this simple procedure you will be able to design, price and order your own balustrade from the STANDARD RANGE:

1. Choose type of baluster (see page 144) and style of balustrade (see pages 137, 138 and 139).

2. Measure the overall base dimension of each run of balustrade giving consideration to the fact that, particularly where balustrade abuts a wall, the cap oversails the base by 20mm (13⁄16”), see diagram opposite.

3. Divide each run into suitable bays, generally incorporating piers at ends and corners.

4. When determining bay lengths, as a guideline, the highest band should be selected, but other overriding factors may need to be taken into account, such as achieving aesthetic balance, correlating with other architectural elements, relating bays to the height of the balustrade and the overall scale of the surroundings.

5. To calculate bay lengths, first deduct 337mm (13¼”) from the overall base dimension to determine the distance between the centres of the end piers, then divide this figure by the number of bays required. Then refer to Tables A and B.

6. Should extra height be required or coping to a substructure, select appropriate under-coping to suit balustrade type (see page 145).

7. Choose piers to suit balustrade layout, i.e. number of end piers, number of intermediate piers, number of corner piers.

8. ORDER CHECKLIST

The order should comprise total number of balusters, total number of rails, total number of plinths, total number of piers incorporating end piers, intermediate piers and corner piers as required.

TABLE B

For close baluster spacing: approx. 225mm (9”) centres

Select highest band available unless there are other overriding factors

	Bay Lengths		Rails/Plinths	
Balusters Band	(centreline to centreline of piers) in mm	(centreline to centreline of piers) in inches	No. of 900mm (35 7⁄16”) long rails/plinths (and under-copings where applicable)	Balusters
16	-691	-27 3/16”	1	1
17	692-916	27 1/4”-36 1/16”	1	2
18	917-1141	36 1/8”-44 15/16”	1	3
19	1142-1249	45”-49 3/16”	1	4
20	1250-1366	49 1/4”-53 3/4”	2	4
21	1367-1591	53 13/16”-62 5/8”	2	5
22	1592-1816	62 11/16”-71 1/2”	2	6
23	1817-2041	71 9/16”-80 3/8”	2	7
24	2042-2155	80 7/16”-84 13/16”	2	8
25	2156-2266	84 7/8”-89 3/16”	3	8
26	2267-2491	89 1/4”-98 1/16”	3	9
27	2492-2716	98 1/8”-106 15/16”	3	10
28	2717-2941	107”-115 13/16”	3	11
29	2942-3061	115 7/8”-120 1/2”	3	12
30	3062-3166	120 9/16”-124 5/8”	4	12
31	3167-3391	124 11/16”-133 1/2”	4	13
32	3392-3616	133 9/16”-142 3/8”	4	14
33	3617-3841	142 7/16”-151 1/4”	4	15
34	3842-3967	151 5/16”-156 1/8”	4	16

This table has been compiled to give an approximate Centre Baluster Spacing (see diagram) of 225mm (9”) and a fixed End Baluster Spacing of 150mm (6”).

TABLE C

Horizontal Curved Balustrade Rails and Plinths

Available in both Flat and Weathered configurations in the following radii:

500mm (19 11/16”)
1000mm (39 3/8”)
1500mm (59 1/16”)
2000mm (78 3/4”)
2500mm (98 7/16”)
3000mm (118 1/8”)
3500mm (137 13/16”)
4000mm (157 1/2”)
4500mm (177 3/16”)
5000mm (196 7/8”)
6000mm (236 1/4”)
7000mm (275 9/16”)
8000mm (314 15/16”)
9000mm (354 5/16”)
10000mm (393 11/16”)

All radii to centrelines of plinth/rail.

TABLE D

Ramped Balusters

KG311	16° 18° 27°
KG356	20° 27°
KG430	13°
KG457	13° 20° 27° 30° 33° 40°
KG464	16° 23°
KG520	23°
KG533	13° 16° 20° 21° 27° 30° 36°
KB609	27° 33° 42°
KG609	30°
KG610	13° 16° 20° 21° 23° 27° 30° 33° 36°
KJ610	27° 30° 36°
KG629	20° 27° 29° 31° 33°
KG724	13° 16° 20° 23° 26° 27° 29° 30° 33°
KG725	34° 1100 Balustrade

The ramp angle is the angle of rise/pitch measured from the horizontal.

TABLE E

Typical Component Weights

Baluster Type:	K724G	K610G	K533G	K457G	K356G
	15kg (33 lb)	11kg (24 lb)	10kg (22 lb)	8kg (18 lb)	4.5kg (10 lb)
Standard pier to suit (complete):	105kg (231 lb)	97kg (214 lb)	87kg (191 lb)	81kg (178 lb)	75kg (165 lb)
135° pier to suit (complete):	154kg (339 lb)	147kg (323 lb)	134kg (295 lb)	121kg (266 lb)	120kg (264 lb)

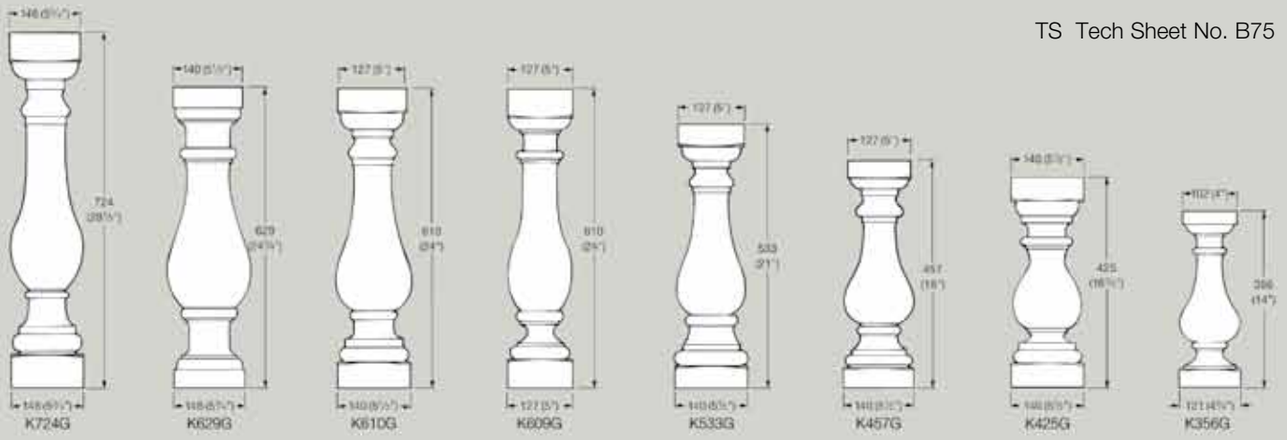
T120A 900mm Standard Rail 31kg (68 lb)

T900A 900mm Standard Plinth 30kg (66 lb)

ARCHITECTURAL STONEWORK BALUSTRADES

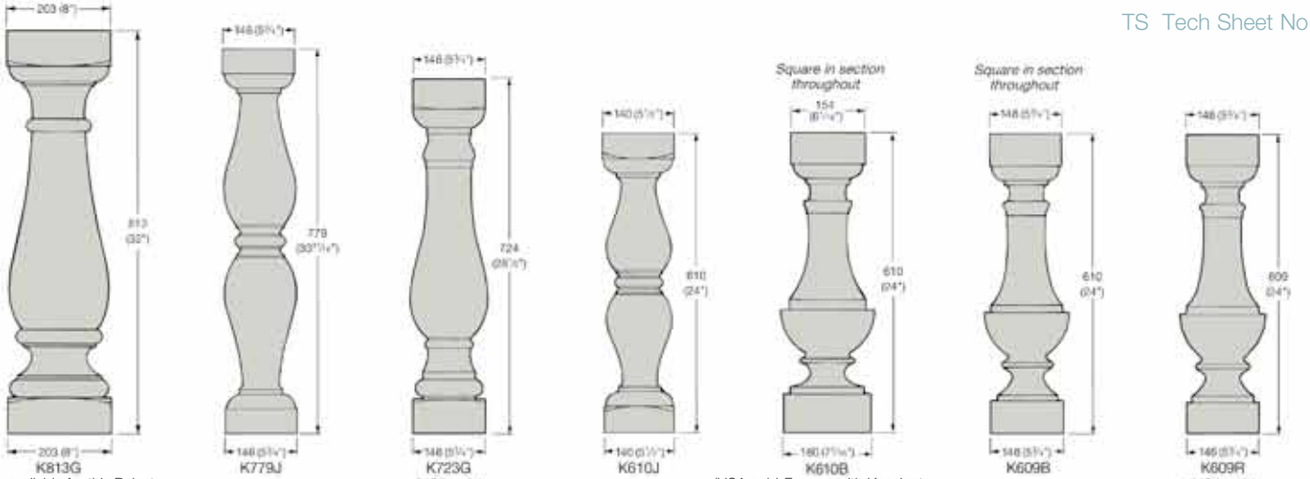
Standard Balusters These balusters are circular in section except top and bottom blocks which are square.

TS Tech Sheet No. B75



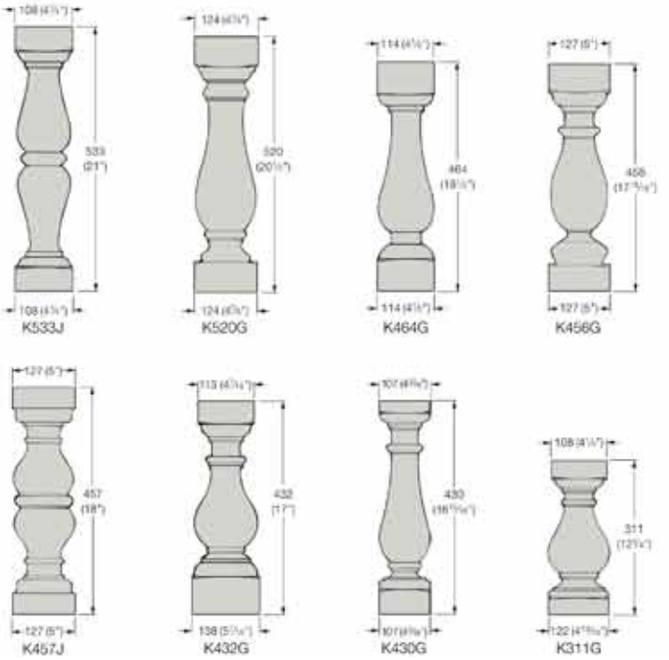
Non Standard Balusters Unless otherwise stated, these balusters are circular in section except top and bottom blocks which are square.

TS Tech Sheet No. B75



No piers available for this Baluster.
For suitable rails and plinths see page 150.

(USA only) For use with Kensington Balustrade, see page 140.



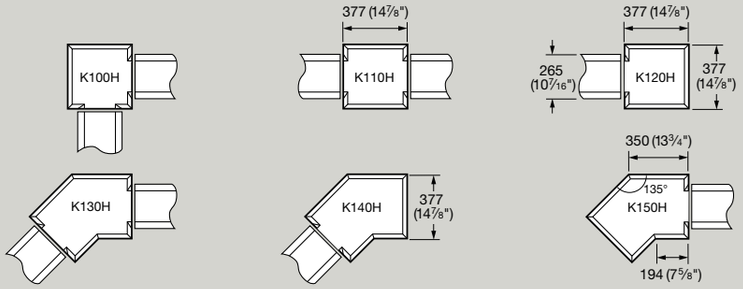
FS style with KG533 Ramped Balusters and T920 Wide Under-Copings

BALUSTRADE UNDER-COPINGS Optional, for use with the standard balustrade range. Available in 900mm (35 7/16") lengths only.

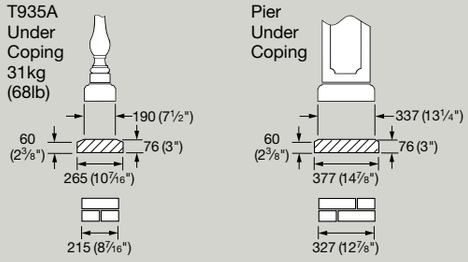
Pier Under-Coping 20kg (44 lb) 135° Pier Under-Coping 29kg (64 lb)

Narrow Central Run-In Under Copings

TS Tech Sheet No. B90



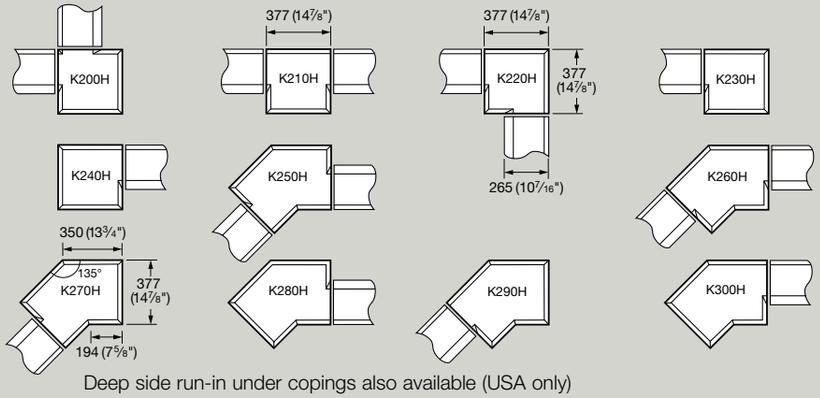
Deep cental run-in under copings also available (USA only)



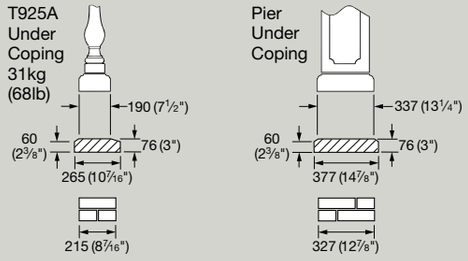
Plans show Pier Under-Copings

Narrow Side Run-In Under Copings

TS Tech Sheet No. B91



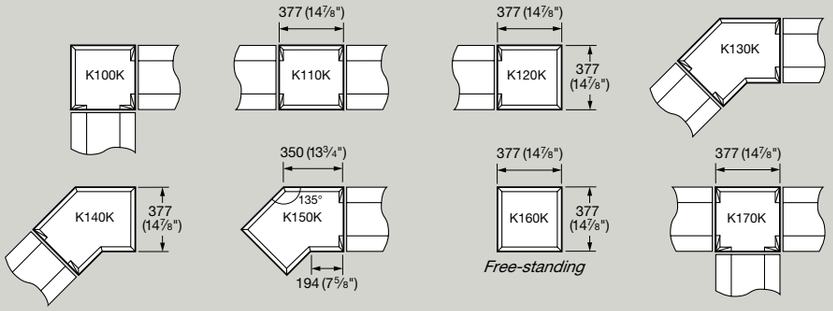
Deep side run-in under copings also available (USA only)

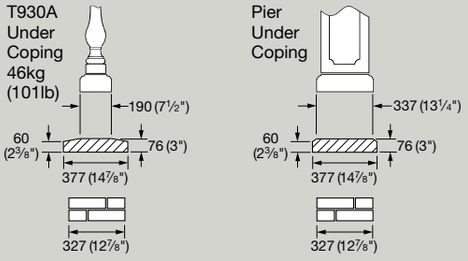


Plans show Pier Under-Copings

Wide Central Run-In Under Copings

TS Tech Sheet No. B92

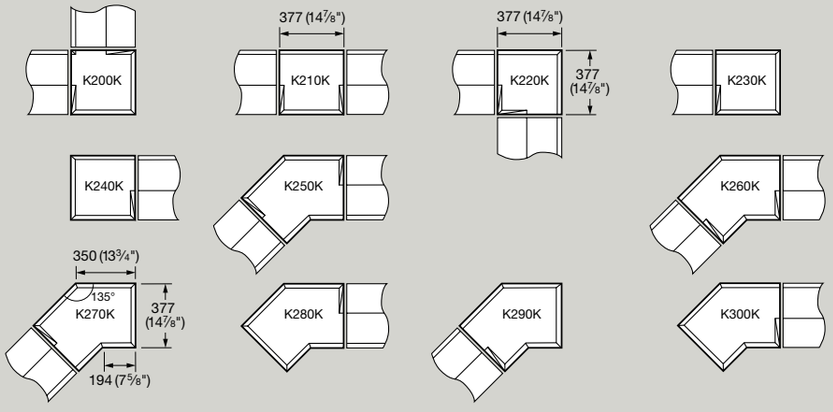


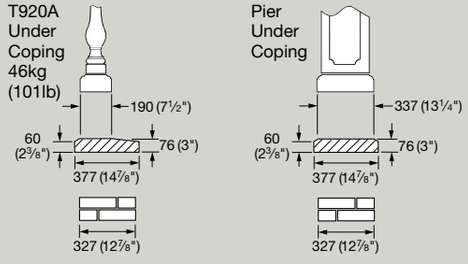


Plans show Pier Under-Copings

Wide Side Run-In Under Copings

TS Tech Sheet No. B93





Plans show Pier Under-Copings

ARCHITECTURAL STONEWORK
PARAPET SCREENING

For a less formal and more decorative alternative to balustrading, parapet screening provides an effective solution.

As shown in the drawings, the length of parapet unit can be varied by using different combinations of the two basic panels J248 and J362. We show six of the most commonly used bays (TYPES A-F). The bay dimensions shown are from centreline to centreline of pier.

The piers are specially designed and produced for end, centre and corner use as well as for 135° angles; so when ordering please state clearly the number and reference of each type required.

All rails and plinths are supplied in standard lengths as indicated, cutting to final specification to be undertaken by your installation contractor.

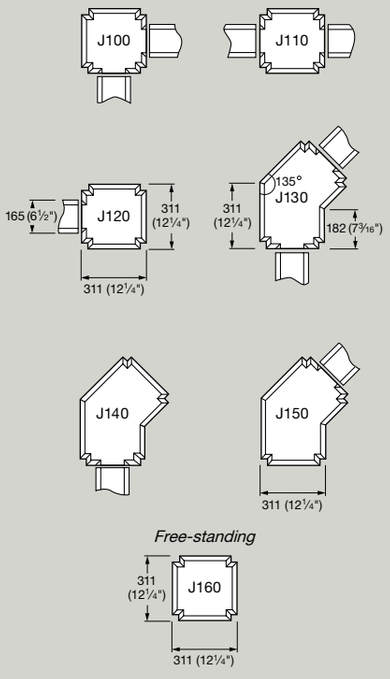
TS Tech Sheet No. PS10 & PS11

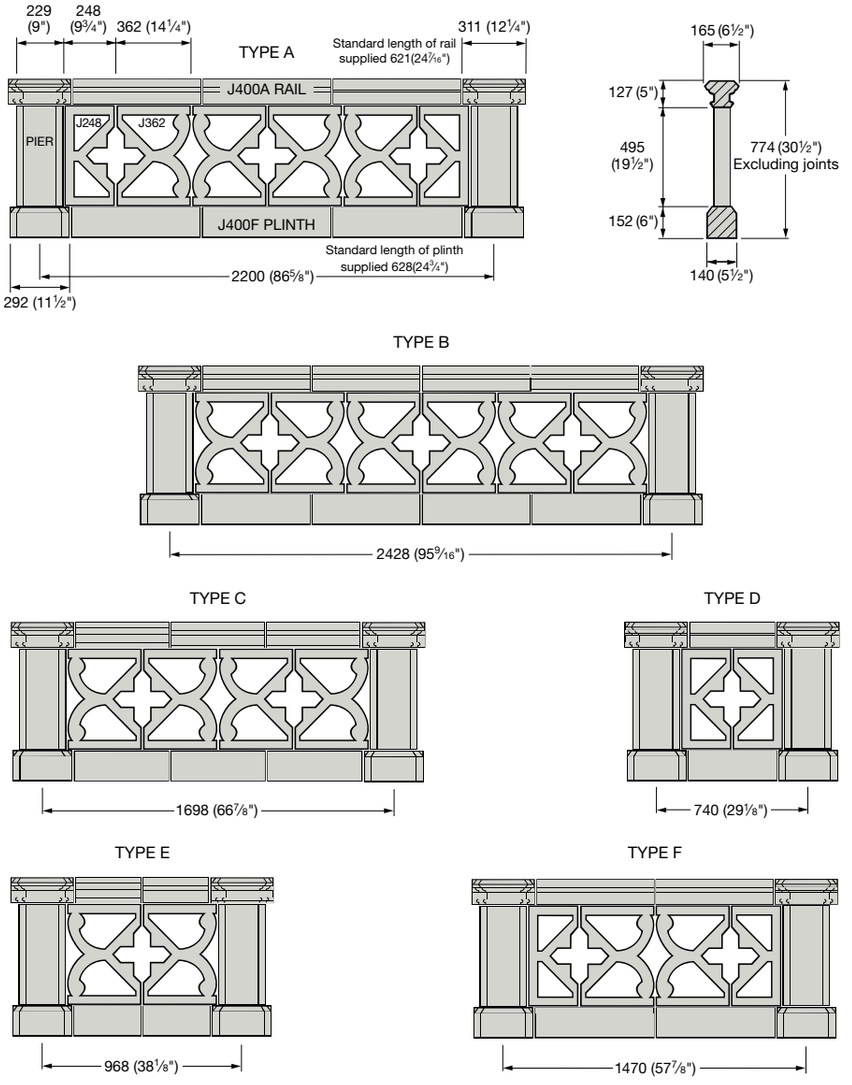
Parapet Screening (showing TYPE F bay)

Typical Component Weights

J400A Rail: 16kg (35 lb)
J400F Plinth: 25kg (55 lb)
J248 End Panel: 9kg (20 lb)
J362 Centre Panel: 13kg (29 lb)
Standard Pier (complete): 76kg (167 lb)
135° Pier (complete): 151kg (332 lb)

Plans showing Pier Caps





Custom-made products are available on request.

Refer to the Architectural Supplement for specific US designs.

ARCHITECTURAL STONEWORK
GATE PIERS

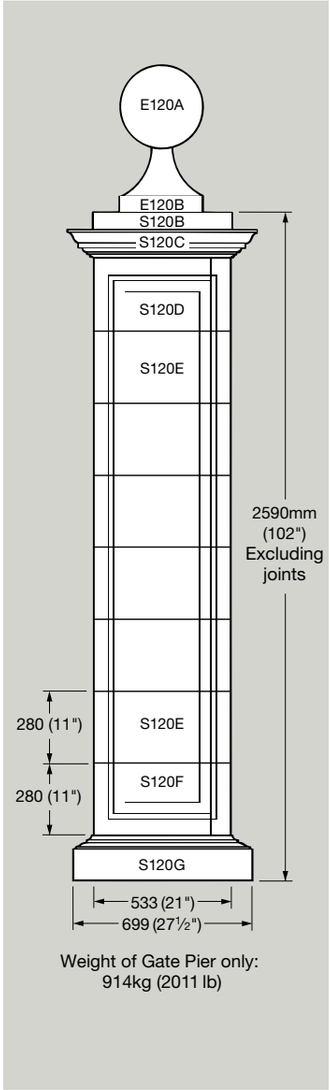
Gate Pier S120

This gate pier is a standard item in the Haddonstone collection. Heights can be varied according to the number of centre shaft units used. When ordering please note that each course is supplied in two halves. Both halves need to be ordered. Custom-made products are available on request.

If the gate piers are to be infilled with concrete the shaft sections should be lined with 25mm (1") polystyrene (Styrofoam) or similar to act as an isolating medium. It is most important to refer to the relevant Tech Sheet to ensure correct installation.

Haddoncraft Forge is able to supply gates and railings to individual specifications for use in conjunction with these Gate Piers, see page 195.

TS Tech Sheet No. M40



Weight of Gate Pier only:
914kg (2011 lb)

Custom gate pier.

Custom gate pier.

See pages 83-85 for Finials. See page 86 for Balls & Bases.

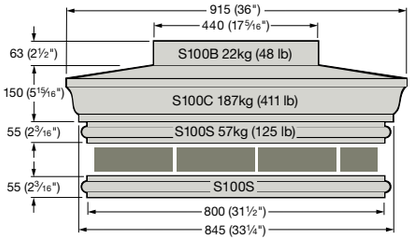
Refer to the Architectural Supplement for specific US designs.

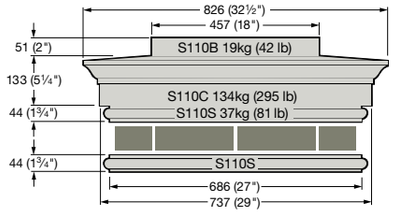
ARCHITECTURAL STONEWORK PIER CAPS

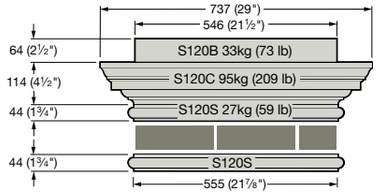
Haddonstone has a large selection of Pier Cap designs in a range of sizes. If your requirements are not featured we can produce custom designs to your specifications.

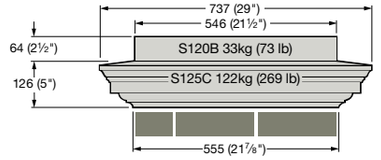
For Finials and Balls & Bases to complement our range of Pier Caps refer to pages 83-86.

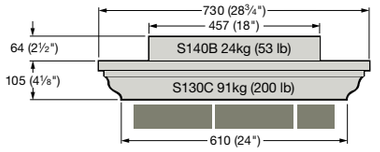
TS Tech Sheet No. PC10 & PC11

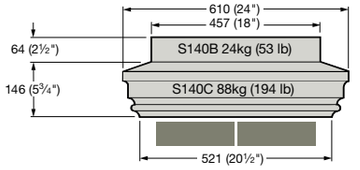


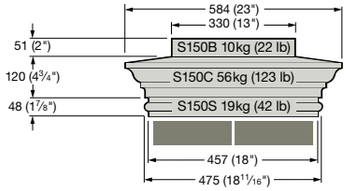


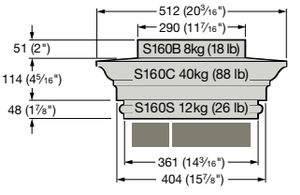


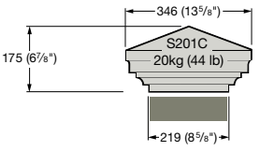


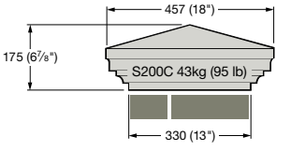


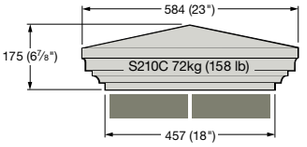


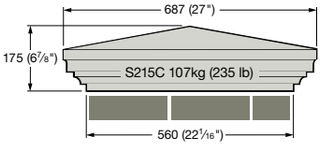


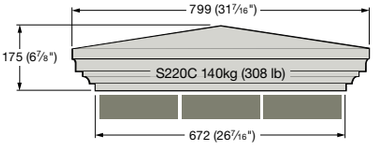


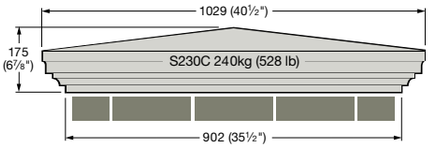


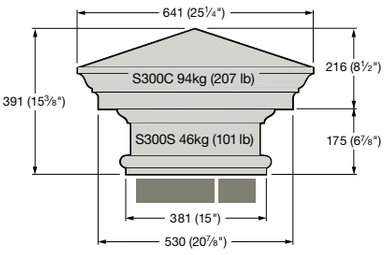


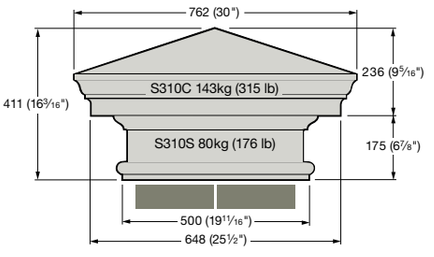


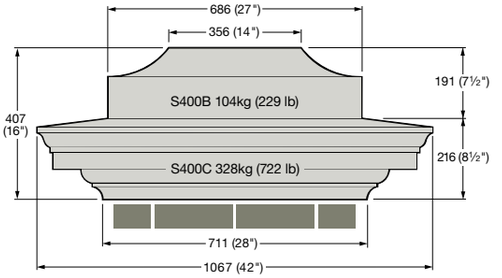




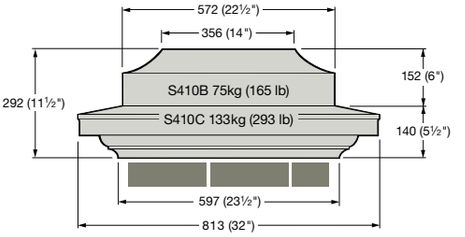


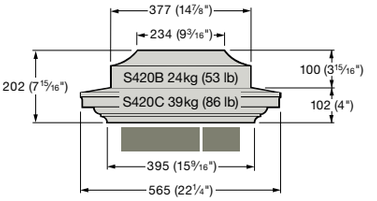


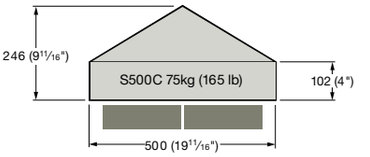


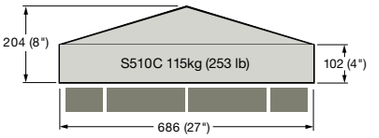


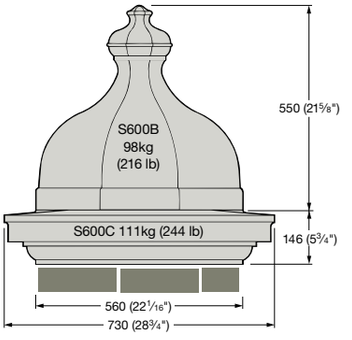
S400C supplied with lifting socket.





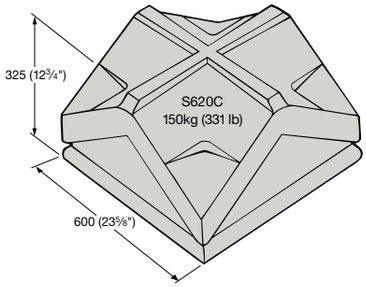


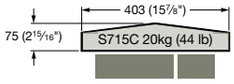


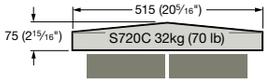


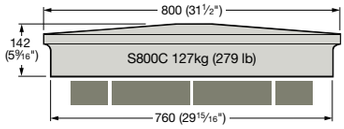
Custom-made products are available on request.

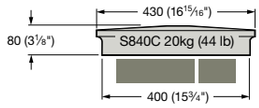
For Finials and Balls & Bases see pages 83-86.

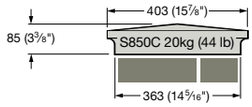


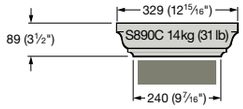


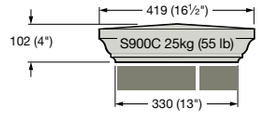


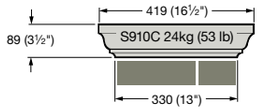


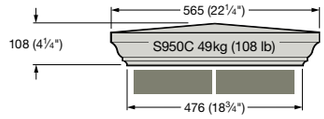


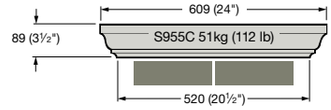


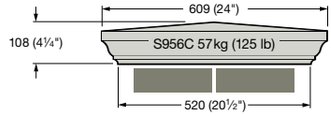


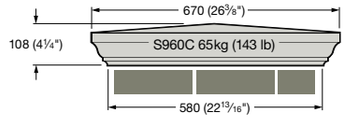


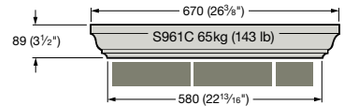


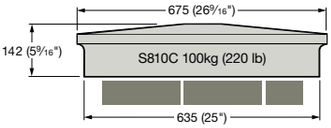


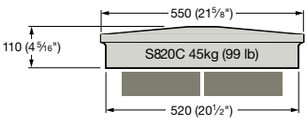


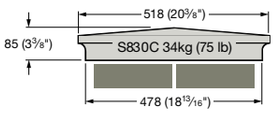


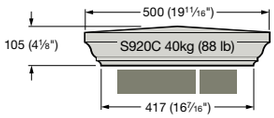


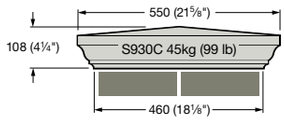


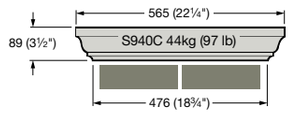


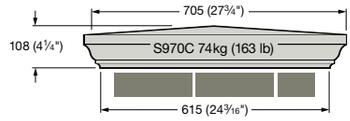


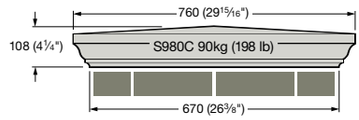


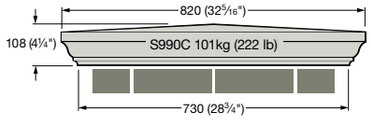












S995C - 32" underside version of S990C. (USA only)
S997C - 36" underside version of S990C. (USA only)

ARCHITECTURAL STONEWORK
COPINGS & CAPPINGS

The Haddonstone collection includes copings and cappings in many designs. Most requirements for straight flat runs of wall, curved wall sections, ramped walls, serpentine walls and stepped walls can be met from our standard range.

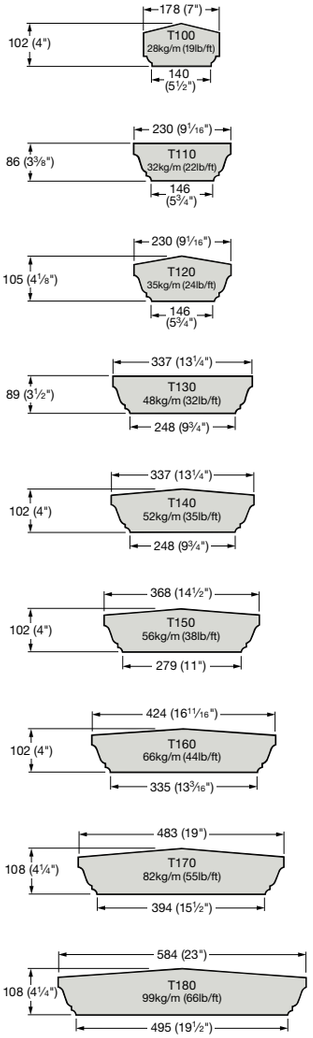
We would be pleased to discuss your special requirements.

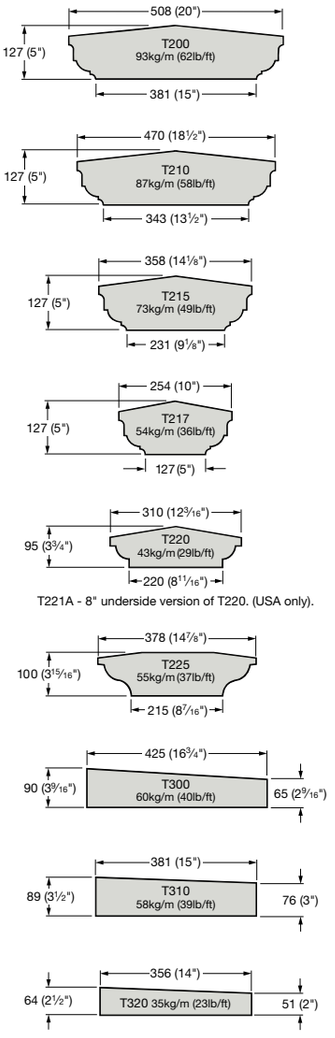
For standard lengths, please refer to the price list. Custom-made Copings and Cappings are available on request.

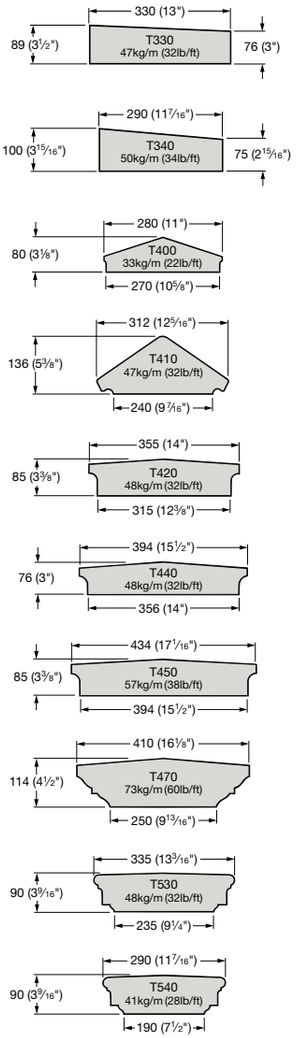
All copings and cappings are supplied throated although, in certain applications, not necessarily to BS 5642: 1983 (2014). **We strongly recommend that you refer to Eurocode 6 and PD 6697: 2010.**

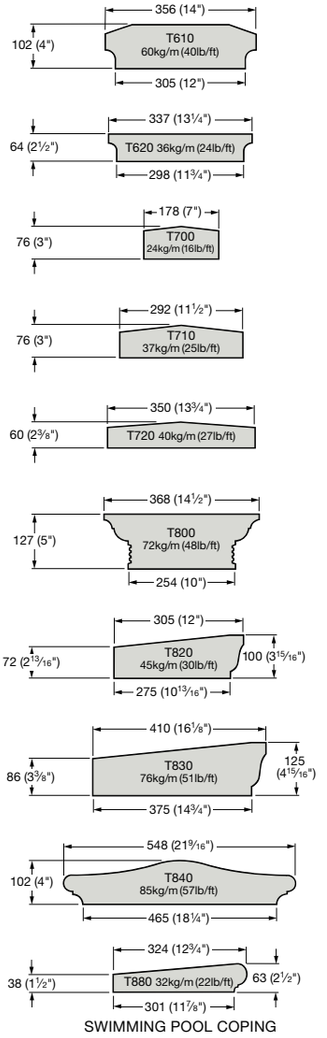
TS Tech Sheet No. WC10, WC20 & WC30

13" Ball & Collared Base (see p74), Block S140B, Cap S130 & Coping T150.









SWIMMING POOL COPING

Refer to the Architectural Supplement for specific US designs.

For TecLite cappings see page 183.

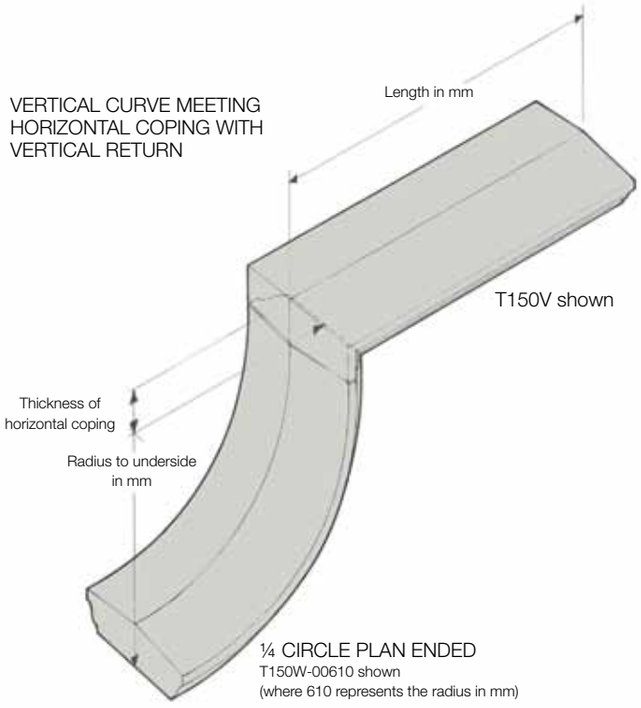
To assist our private and professional clients with the ordering of Haddonstone copings and cappings, we have introduced this new page to the catalogue containing all the relevant terminology required.

For further details relating to coping and capping terminology, please either contact your nearest Haddonstone office or refer to:

TS Tech Sheet No. WC10, WC20 & WC30

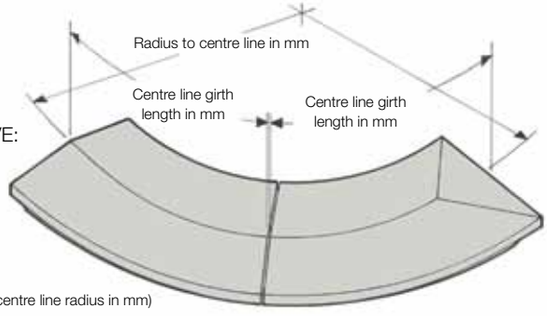
Pier Caps S600B/C and S215C with Coping T130.

VERTICAL CURVE MEETING HORIZONTAL COPING WITH VERTICAL RETURN



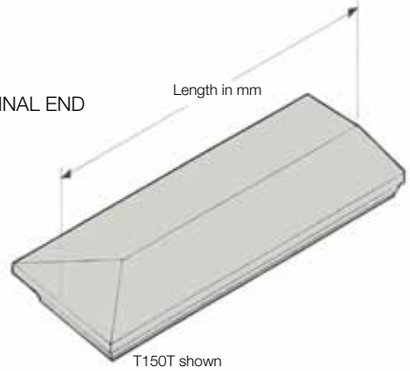
¼ CIRCLE PLAN ENDED
T150W-00610 shown
(where 610 represents the radius in mm)

HORIZONTAL CURVE: PLAIN ENDED



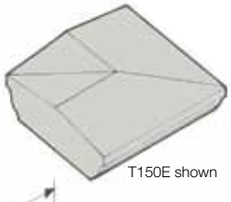
T150H-00787 shown.
(where 787 represents the centre line radius in mm)

TERMINAL END

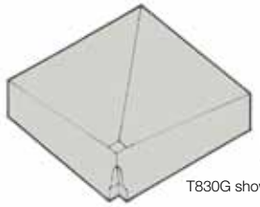


T150T shown

CORNER STONE
(Symmetrical coping only)

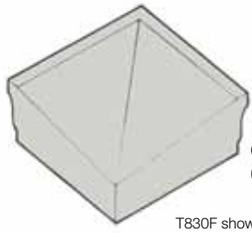


T150E shown



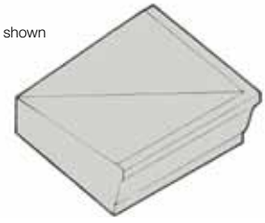
INSIDE CORNER STONE
(Asymmetrical coping only)

T830G shown

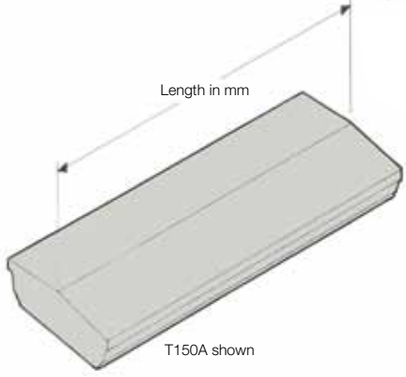


OUTSIDE CORNER STONE
(Asymmetrical coping only)

T830F shown



PLAIN ENDED



T150A shown

ARCHITECTURAL STONEWORK
COLUMNS & PILASTERS

Our range of columns and pilasters are derived from the architectural vocabulary of the ancient world.

A column will usually have an entablature of some kind to support, for example as part of a portico, temple, pavilion or classical facade.

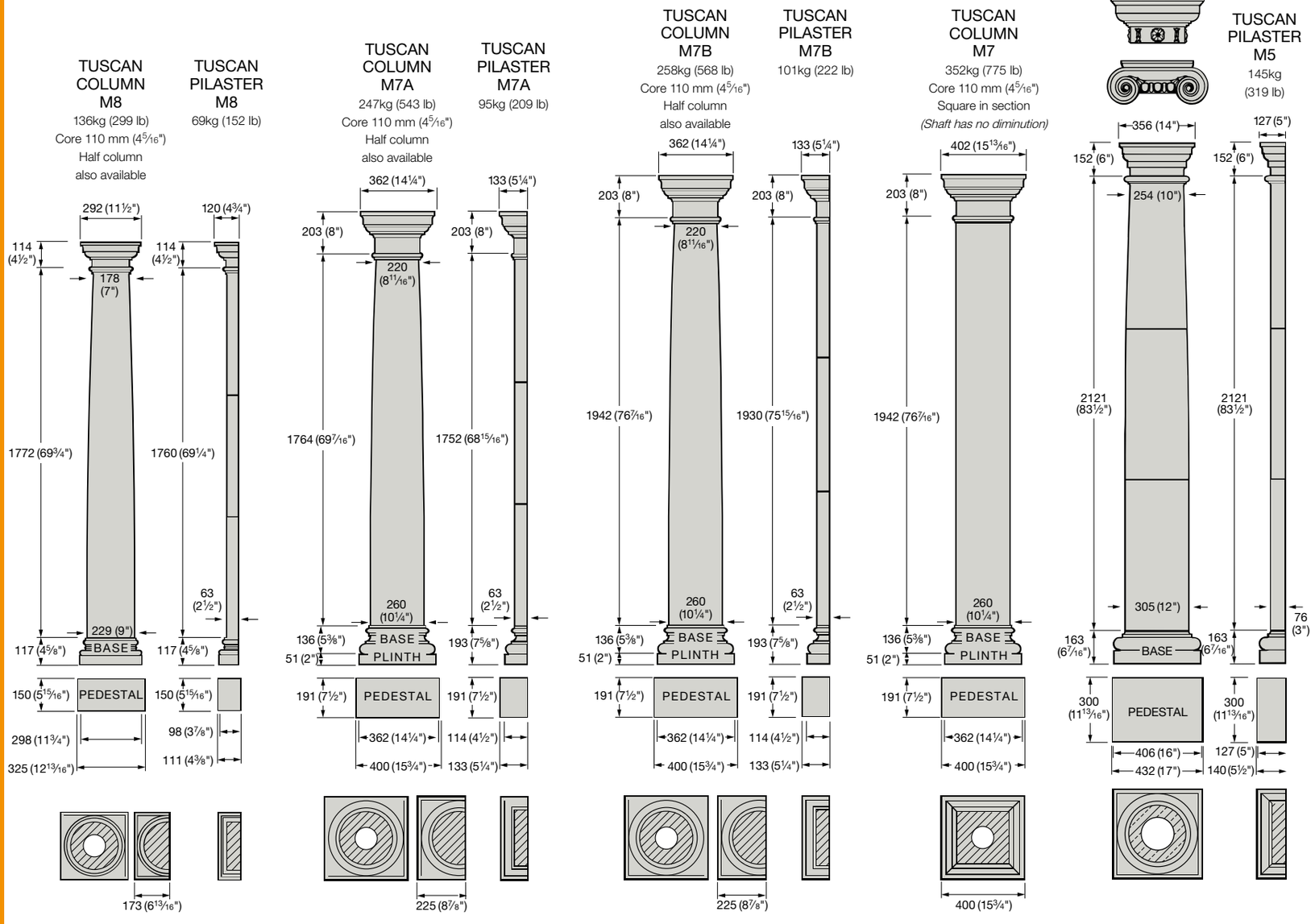
Our columns are designed to be non-structural elements and so are provided with hollow cores. These, if filled with reinforced concrete or used to sleeve a structural steel member, can then be used in structural situations. They are supplied in component form, as indicated, and should be erected on suitable foundations designed by a structural engineer to suit loadings and ground conditions.

The shaft sections should be lined with polystyrene (Styrofoam) or similar to act as an isolating medium when column cores are infilled.

We strongly recommend that professional advice is taken to ensure that any proposal is designed to be structurally sound. It is most important to refer to Tech Sheet CAD1 to ensure correct installation.

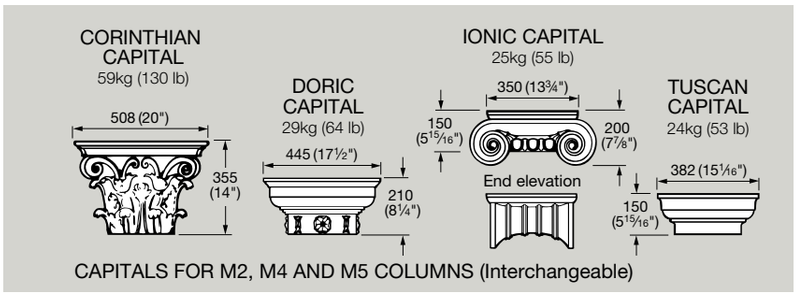
M1 Columns with Corinthian Capitals

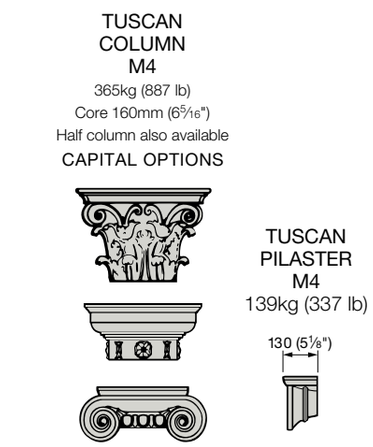
TS Tech Sheet No. C50 for M1
TS Tech Sheet No. C40 for M2
TS Tech Sheet No. C30 for M3
TS Tech Sheet No. C10 for M4 & M5
TS Tech Sheet No. C20 for M7 & M8
TS Tech Sheet No. C60 for M9
TS CAD1 Column Assembly Details

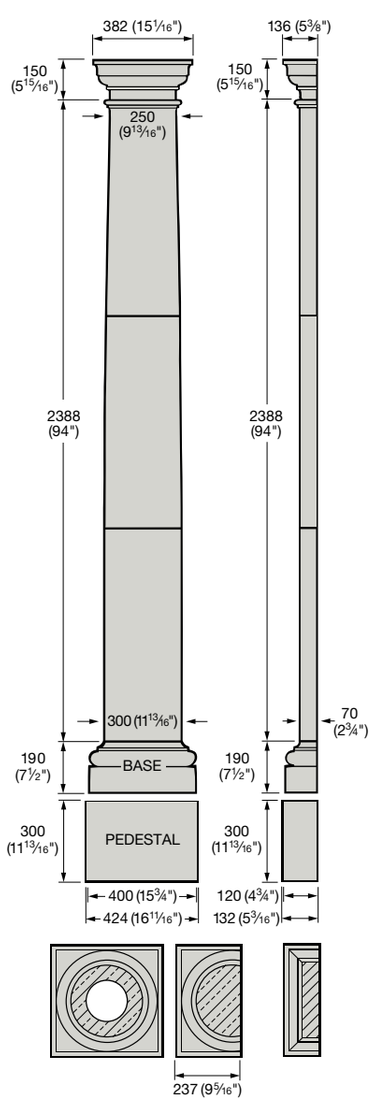


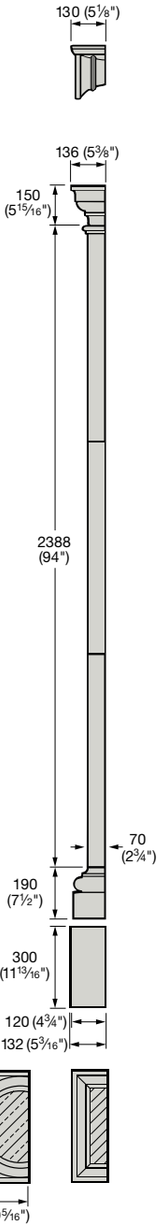
Custom-made products are available on request.

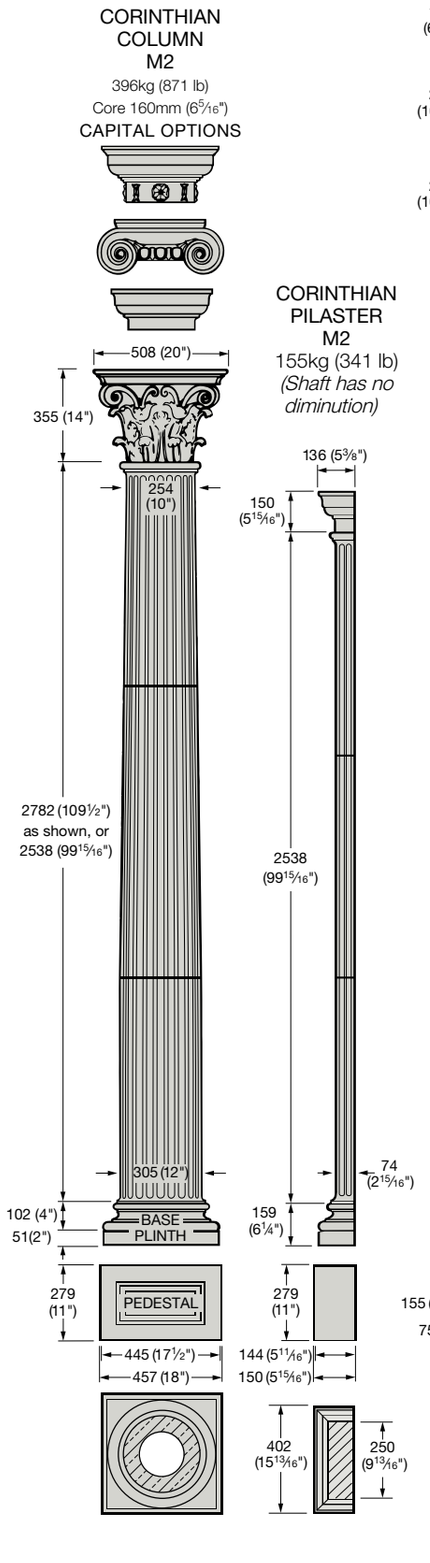
General note: Column dimensions exclude joints. Allow 6mm (¼") for joints.


CORINTHIAN CAPITAL
59kg (130 lb)
508 (20")
355 (14")
DORIC CAPITAL
29kg (64 lb)
445 (17½")
210 (8¼")
IONIC CAPITAL
25kg (55 lb)
350 (13¾")
150 (5¹⁵⁄₁₆")
200 (7⅞")
End elevation
TUSCAN CAPITAL
24kg (53 lb)
382 (15¹⁄₁₆")
150 (5¹⁵⁄₁₆")
CAPITALS FOR M2, M4 AND M5 COLUMNS (Interchangeable)

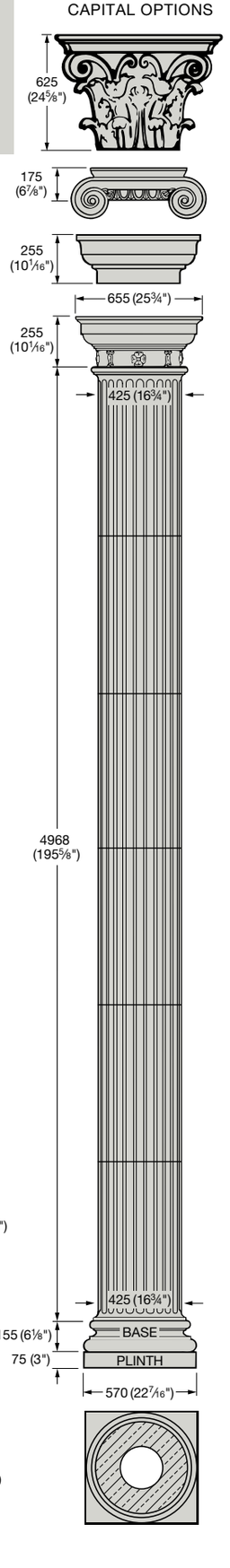

TUSCAN COLUMN M4
365kg (887 lb)
Core 160mm (6⅝")
Half column also available
CAPITAL OPTIONS

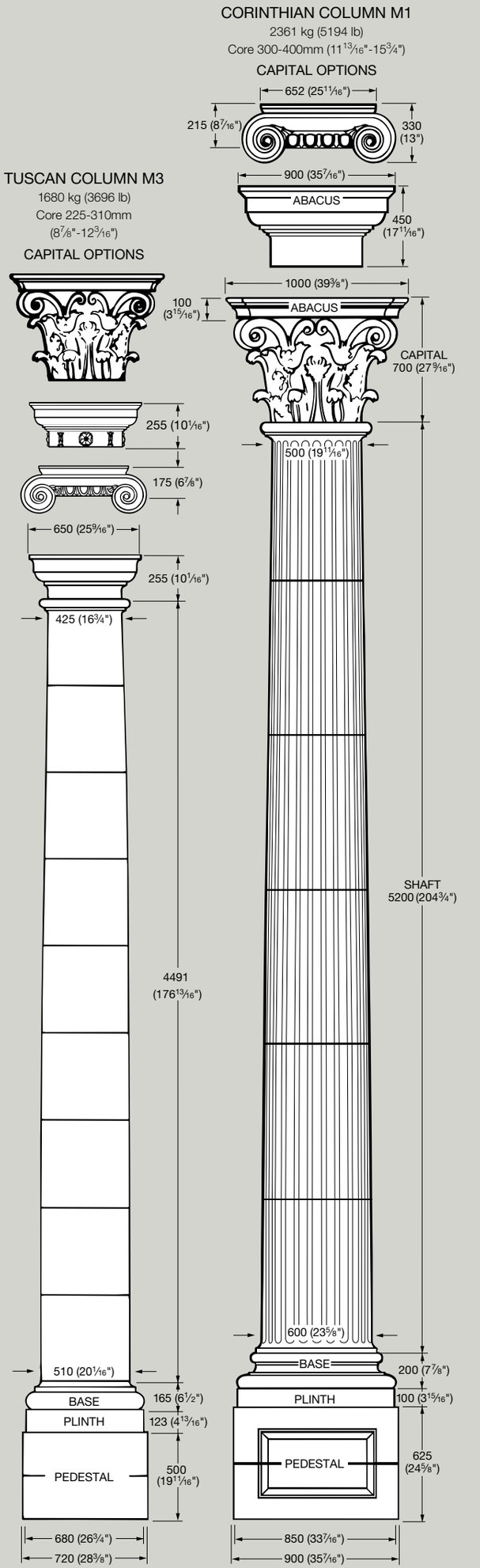

382 (15¹⁄₁₆")
150 (5¹⁵⁄₁₆")
250 (9¹³⁄₁₆")
2388 (94")
300 (11¹³⁄₁₆")
BASE
190 (7½")
PEDESTAL
300 (11¹³⁄₁₆")
400 (15¾")
424 (16¹¹⁄₁₆")
237 (9⅜")


TUSCAN PILASTER M4
139kg (337 lb)
130 (5⅛")
136 (5⅜")
150 (5¹⁵⁄₁₆")
2388 (94")
70 (2¾")
190 (7½")
300 (11¹³⁄₁₆")
120 (4¾")
132 (5³⁄₁₆")


CORINTHIAN COLUMN M2
396kg (871 lb)
Core 160mm (6⅝")
CAPITAL OPTIONS
508 (20")
355 (14")
254 (10")
2782 (109½") as shown, or 2538 (99¹⁵⁄₁₆")
305 (12")
102 (4")
51(2")
BASE
PLINTH
279 (11")
PEDESTAL
445 (17½")
457 (18")

CORINTHIAN PILASTER M2
155kg (341 lb)
(Shaft has no diminution)
136 (5⅜")
150 (5¹⁵⁄₁₆")
2538 (99¹⁵⁄₁₆")
74 (2¹⁵⁄₁₆")
159 (6¼")
279 (11")
144 (5¹¹⁄₁₆")
150 (5¹⁵⁄₁₆")
402 (15¹³⁄₁₆")
250 (9¹³⁄₁₆")


COLUMN M9
1116kg (2458 lb)
Core 200mm (7⅞")
CAPITAL OPTIONS
625 (24⅝")
175 (6⅞")
255 (10¹⁄₁₆")
655 (25¾")
425 (16¾")
4968 (195⅝")
155 (6⅛")
75 (3")
BASE
PLINTH
570 (22⁷⁄₁₆")


CORINTHIAN COLUMN M1
2361 kg (5194 lb)
Core 300-400mm (11¹³⁄₁₆"-15¾")
CAPITAL OPTIONS
652 (25¹¹⁄₁₆")
215 (8⁷⁄₁₆")
330 (13")
900 (35⁷⁄₁₆")
ABACUS
450 (17¹¹⁄₁₆")
TUSCAN COLUMN M3
1680 kg (3696 lb)
Core 225-310mm
(8⅞"-12³⁄₁₆")
CAPITAL OPTIONS
1000 (39⅜")
100 (3¹⁵⁄₁₆")
ABACUS
CAPITAL 700 (27⁹⁄₁₆")
255 (10¹⁄₁₆")
500 (19¹¹⁄₁₆")
175 (6⅞")
650 (25⁹⁄₁₆")
255 (10¹⁄₁₆")
425 (16¾")
4491 (176¹³⁄₁₆")
SHAFT 5200 (204¾")
510 (20¹⁄₁₆")
BASE
165 (6½")
PLINTH
123 (4¹³⁄₁₆")
PEDESTAL
500 (19¹¹⁄₁₆")
600 (23⅝")
BASE
200 (7⅞")
PLINTH
100 (3¹⁵⁄₁₆")
PEDESTAL
625 (24⅝")
680 (26¾")
720 (28⅜")
850 (33⁷⁄₁₆")
900 (35⁷⁄₁₆")

ARCHITECTURAL STONEWORK PORTICOS

In the XIX century, porticos were a frequent feature of houses for both aesthetic and practical reasons. Whilst providing welcome shelter from the elements, they also offered architects the opportunity to embellish an otherwise perhaps rather dull entrance, uplifting it to much grander proportions.

Today, the benefits and opportunities provided by utilising these architectural features are again being appreciated, for both public and private buildings.

The Haddonstone collection of porticos includes five designs using standard Haddonstone architectural elements. As can be seen from the photographs, it is often possible to combine individual elements to create a completely new design. An additional four components are also offered for use as individual entablature pieces.

Haddonstone also specialises in the manufacture of custom-made porticos to individual designs and requirements.

Note: The architrave will, in most cases, require backing with an in-situ reinforced concrete beam sufficient to carry the weight of the structure. Please ask for relevant Tech Sheet number for assembly recommendations.

For column details see pages 152-153.

TS CAD1 Column Assembly Details

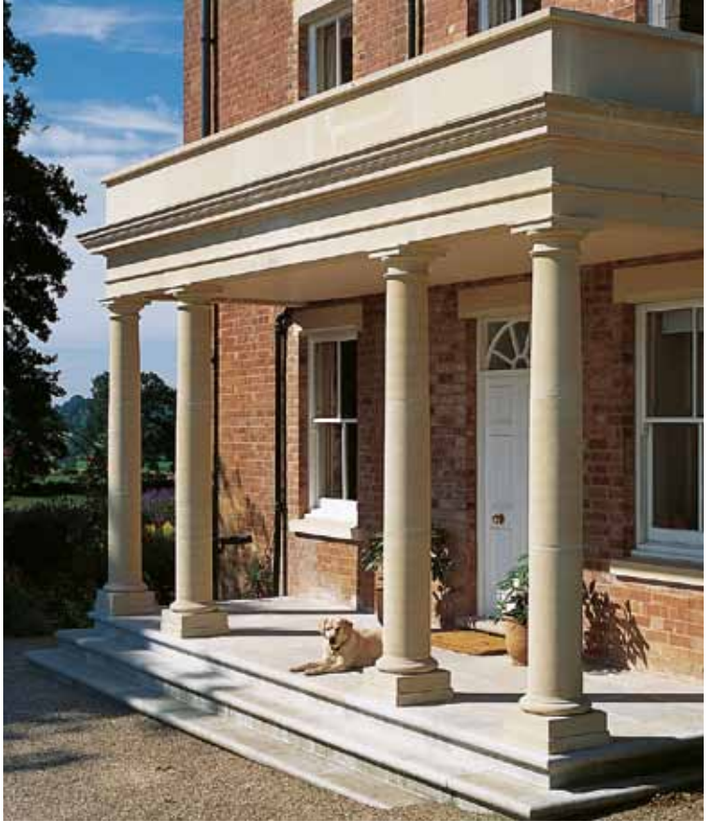
Portico A

Portico A with M4 Columns, HN1 Steps and HN3 Risers

Octagonal Portico A with HN1 Steps and HN3 Risers

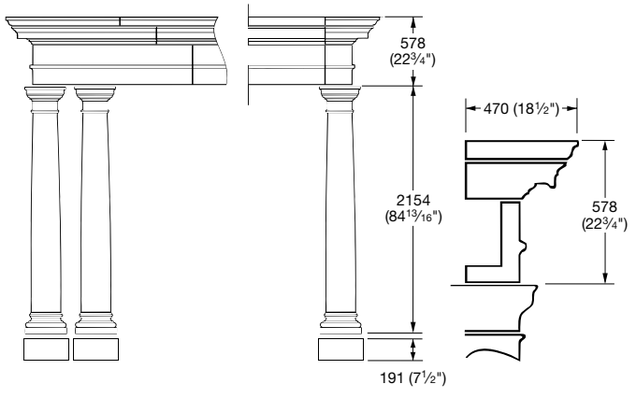
Custom-made products are available on request.

Refer to the Architectural Supplement for specific US designs.

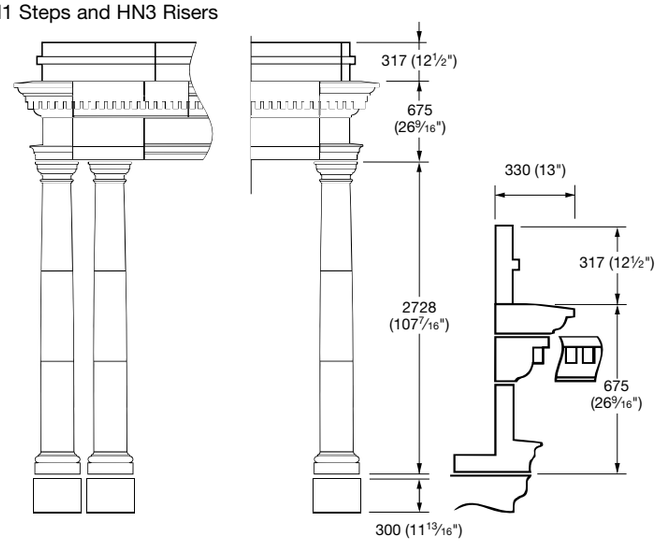


Portico A with M4 Columns, additional Plinth Block and Plain Parapet, HN1 Steps and HN3 Risers

Portico B with M4 Columns and Half Columns featuring Ionic Capitals, HN1 Steps and HN3 Risers



FRONT ELEVATION SIDE ELEVATION ENTABLATURE



FRONT ELEVATION SIDE ELEVATION ENTABLATURE

Portico A Components

L110 Upper Cornice
L120 Lower Cornice
L130 Architrave
M7 Column

TS Tech Sheet No. PT10 for Portico A

TS Tech Sheet No. PT11 for Portico A detail

Portico B Components

L200 Blocking (optional)
L210 Upper Cornice
L220 Lower Cornice (with dentils)
L230 Architrave
M4 Column (shown with Tuscan Capital)

TS Tech Sheet No. PT20 for Portico B

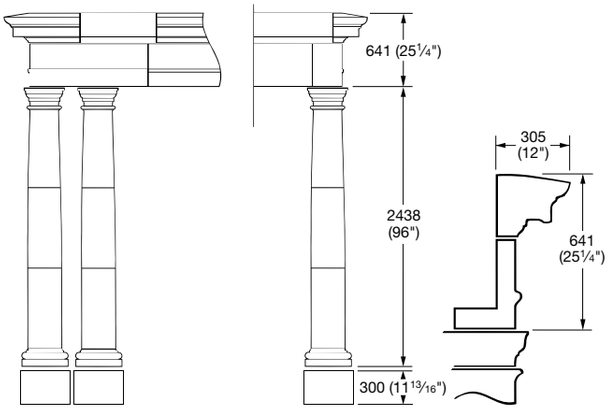
TS Tech Sheet No. PT21 for Portico B detail

Dimensions exclude joints. Allow 6mm (¼") for joints.

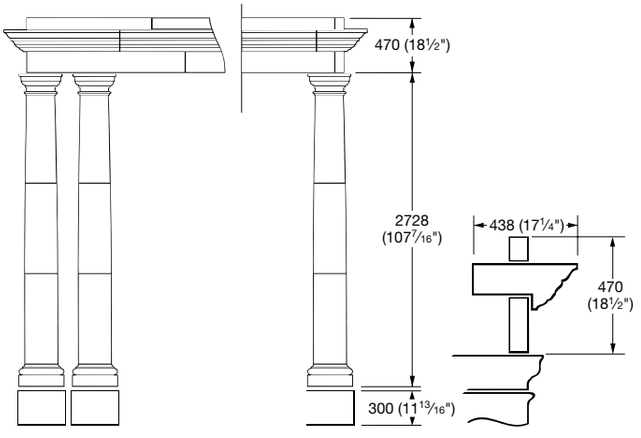
Custom-made products are available on request.

Portico E with L330 Architrave

Portico D with HN1 Steps and HN3 Risers



FRONT ELEVATION SIDE ELEVATION ENTABLATURE



FRONT ELEVATION SIDE ELEVATION ENTABLATURE

Portico C Components

L310 Cornice
L330 Architrave
M5 Column (shown with Tuscan Capital)

TS Tech Sheet No. PT30 for Portico C

TS Tech Sheet No. PT31 for Portico C detail

Portico D Components

L400 Blocking
L410 Cornice
L430 Architrave
M4 Column (shown with Tuscan Capital)

TS Tech Sheet No. PT40 for Portico D

TS Tech Sheet No. PT41 for Portico D detail

Custom-made products are available on request.

Dimensions exclude joints. Allow 6mm (¼") for joints.

Portico A with M2 Columns.

Custom Portico A with HN1 Steps and HN3 Risers.

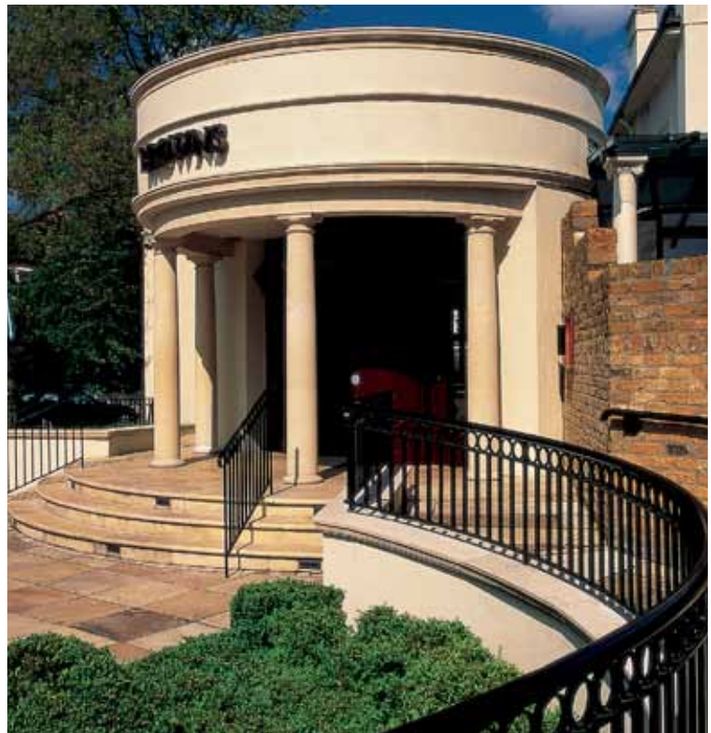
Portico D, M7 Columns and Balustrading.

Portico A with square M7 Columns.

Portico C with M4 Columns.

Custom portico with special square columns and balustrading.

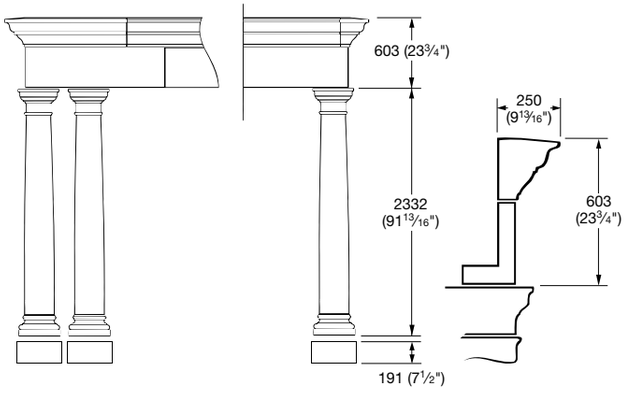
Custom portico with M4 Columns with HN1 Steps and HN3 Risers.



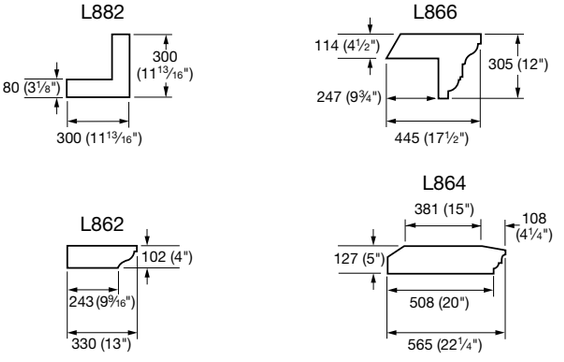
ARCHITECTURAL STONEWORK
PORTICOS

Portico E with additional Blocking Course and M2 Columns

M7 Columns with L130 Architrave, L120 Lower Cornice, L220 Dentilled Cornice and L110 Upper Cornice with HN1 Steps and HN3 Risers



FRONT ELEVATION SIDE ELEVATION ENTABLATURE



Portico E Components

L510 Cornice
L530 Architrave
M7 Column

TS Tech Sheet No. PT50 for Portico E

TS Tech Sheet No. PT51 for Portico E detail

Note: L864 Cornice is suitable for carrying the Haddonstone Standard Balustrading Range (see pages 136 to 144).

Note: Haddonstone supply Steps and Risers for all Portico and Door Surround designs. For Steps and Risers, see page 169 for further information.

Dimensions exclude joints. Allow 6mm (¼") for joints.

Custom-made products are available on request.

M4 Columns on special Piers with L210 Upper Cornice, L220 Lower Cornice and L330 Architrave

Custom portico with FC balustrading, HN1 Steps and HN3 Risers

Portico A, HN1 Steps and HN3 Risers

Special M4 Columns and Curved Entablature

Half M7 Columns, L330/L410 Entablature

Pedimented Portico

Portico E

ARCHITECTURAL STONEWORK DOOR SURROUNDS

Haddonstone can create a wide variety of door surrounds from standard architectural components including half columns, pilasters and entablatures. These designs are suitable for both interior and exterior applications. Please contact your nearest Haddonstone Technical Department to discuss your precise requirements.

Special door surrounds can be created using standard Haddonstone components

William Kent Door Surround Q210

William Kent Door Surround Q200 with HN1 Step

William Kent Door Surround
Q200
William Kent Door Surround (with pediment)
Q210

These designs by Haddonstone are in the style of the prolific early XVIII century architect William Kent, a great admirer of Inigo Jones and a protege of the architect Lord Burlington. William Kent's sumptuous designs derived partly from the Italian Baroque and partly from Palladio.

Height overall (without pediment): 2640mm (104")
Height overall (with pediment): 3072mm (121")
Maximum width (without pediment): 2000mm (78¾")
Maximum width (with pediment): 2024mm (79¾")
Height of opening: 2038mm (80¼")
Width of opening: 924mm (36½")
Weight (without pediment): 583kg (1285 lb)
Weight (with pediment): 712kg (1570 lb)

TS Tech Sheet No. DS10

For TecLite door surrounds see pages 184-185.

Refer to the Architectural Supplement for specific US designs.

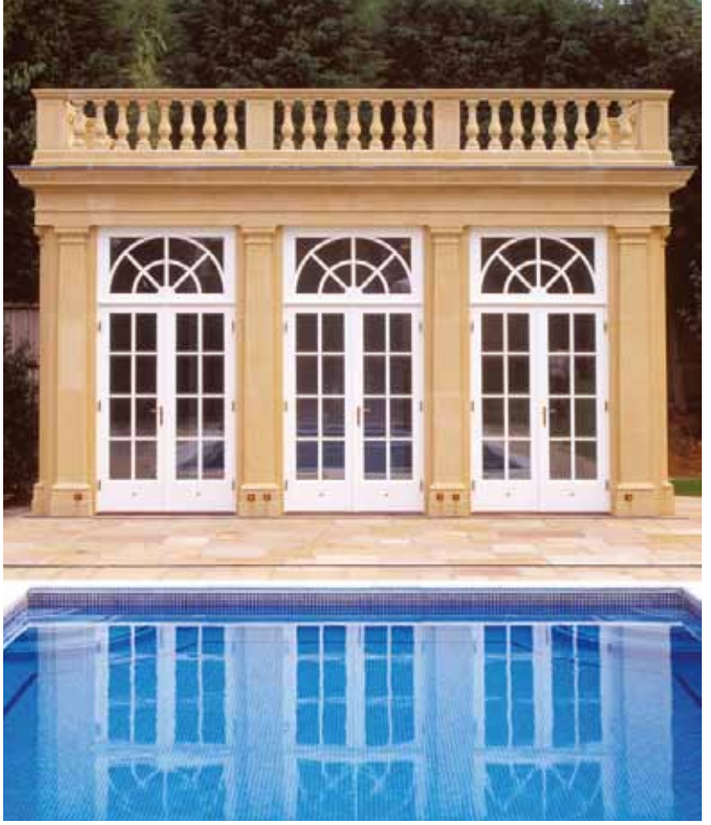
Belvedere L9500

The Belvedere, inspired by the designs of Sir Charles Barry (1795-1860) for Queens Park, Brighton and Trentham Hall in Staffordshire, utilises standard Haddonstone architectural components including balustrading, columns, architrave and cornice. Square in plan, this impressive structure was first created for the 1998 Chelsea Flower Show.

Overall height: 3205mm (126 1/4")
Base width: 2193mm (86 3/8")

TS Tech Sheet No. T60 & T61

ARCHITECTURAL STONEWORK
ORANGERIES



Orangeries built from cast stone are an exciting and original concept. Since launching at the Chelsea Flower Show in 2001, Haddonstone has created a range of half columns and pilasters in Doric, Ionic, Tuscan and Gothic styles specifically for this project.

The unique and refined architectural language of the orangery allows for the creation of buildings with great presence and style that are simply unavailable elsewhere.

Traditionally used to over-winter citrus fruits for grand county houses, today orangeries are seen as versatile structures functioning as pool houses, dining rooms, or simply as elegant living spaces. They can be either freestanding or connected to an existing property.

Haddonstone can also source joinery and glazing for all your conservatory and orangery requirements. For further information please contact your nearest Haddonstone office.

Custom-made products are available on request.

Orangeries can be designed to meet your needs, with: five types of capital; three types of column and pilaster; numerous patterns of glazed joinery; and, perhaps most importantly, any size.

Half Column Capitals

Tuscan

Ionic

Doric

Half Octagonal Capital

Gothic

Pilaster Capital

Tuscan

Columns

Half Column

Half Octagon

Tuscan Pilaster

ARCHITECTURAL STONEWORK PAVILIONS

"… at the ends and extremities of a park are beautiful pavilions of masonry, which the French call belvederes, or pavilions of Aurora, which are as pleasant to rest oneself in, after a long walk, as they are to the eye, for the handsome prospect they yield; they serve also to retire into for shelter when it rains."

Anon, XVIII century

Venetian Folly
L9400

The Venetian Folly, unveiled at the Chelsea Flower Show in 1990, has the classical proportions of a Serlian window, combining the use of Tuscan columns, pedimented arch, quoins and optional balustrading.

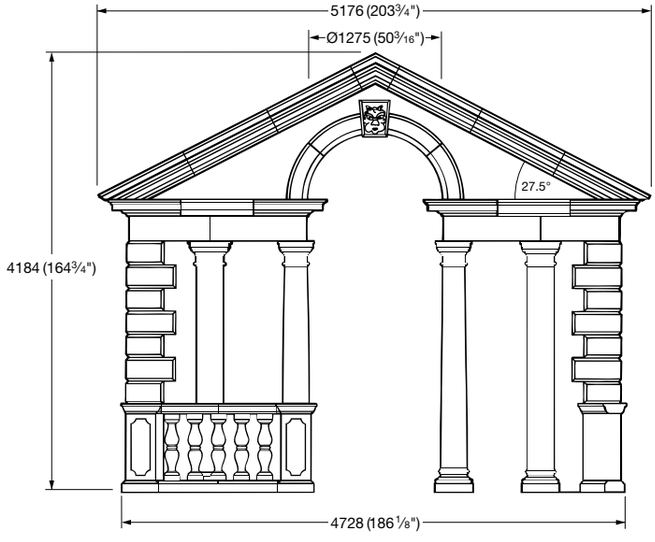
TS Tech Sheet No. T50 for L9400

TS Tech Sheet No. T51 for L9400 Detail

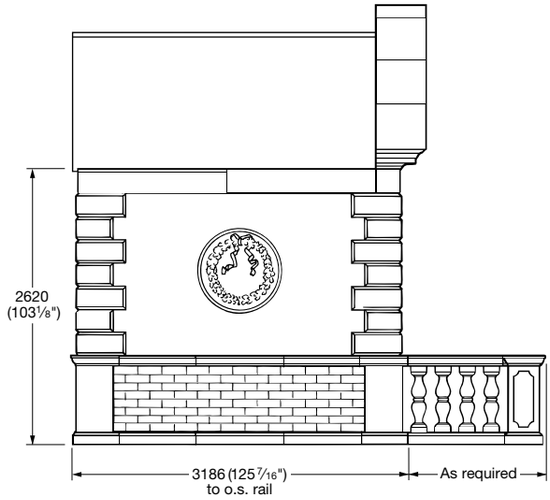
TS Tech Sheet No. T52 for L9400 Detail

TS CAD1 Column Assembly Details

Venetian Folly L9400



FRONT ELEVATION



SIDE ELEVATION

Custom-made products are available on request.

Dimensions exclude joints. Allow 6mm (¼") for joints.

Pavilion L9300

The pavilion is based on our M7 Tuscan Column series and can easily be adapted for use as a portico. Please note that the pediment can be supplied in the standard 20°, 27½° or 30° pitch. Flooring and steps can be supplied to individual requirements. See pages 178 to 181.

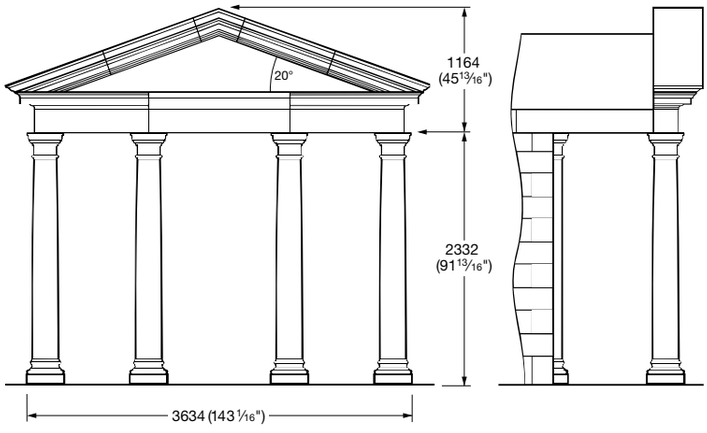
TS Tech Sheet No. T40 for L9300

TS Tech Sheet No. T41 for L9300 Detail

TS Tech Sheet No. T42 for L9300 Detail

TS CAD1 Column Assembly Details

Pavilion L9300



FRONT ELEVATION SIDE ELEVATION

Dimensions exclude joints. Allow 6mm (¼") for joints.

Image: Charles Hawes

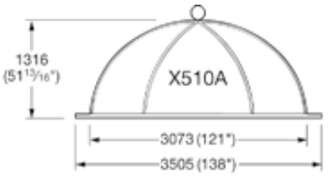
ARCHITECTURAL STONEWORK TEMPLES

Glass fibre domes are available in a lead-effect finish for L9000 (X510A), L9100 (X510B), L9250 and L9200 (X510C) temples. These are supplied in sections for assembly on site.

WX5150 Wrought Iron Dome for L9000 Temple. Other sizes also available.

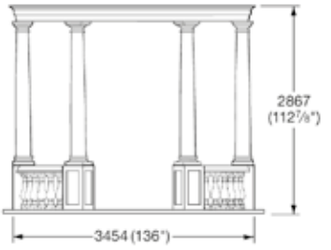
Large Classical Temple L9100 with non-standard dome and HN6006 floor.

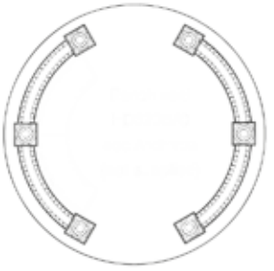
Balustraded Temple L9000 with Dome X510A and custom floor.



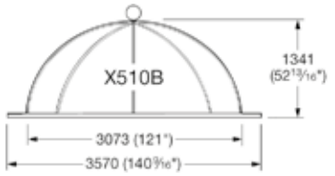
BALUSTRADED TEMPLE L9000

For Temple Flooring, see page 168.



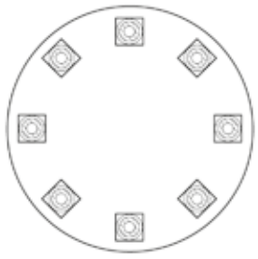


TS Tech Sheet No. T10 & T11
TS CAD1 Column Assembly Details

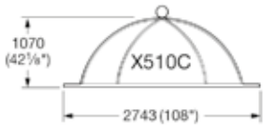


LARGE CLASSICAL TEMPLE L9100

For Temple Flooring, see page 168.

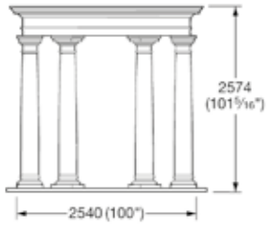


TS Tech Sheet No. T20 & T21
TS CAD1 Column Assembly Details

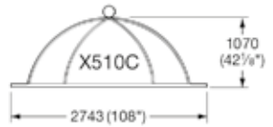


SMALL CLASSICAL TEMPLE L9250

For Temple Flooring, see page 168.



TS Tech Sheet No. T30 & T31
TS CAD1 Column Assembly Details



SMALL CLASSICAL TEMPLE L9200

For Temple Flooring, see page 168.

TS Tech Sheet No. T30 & T31
TS CAD1 Column Assembly Details

Custom-made products are available on request.

Dimensions exclude joints. Allow 6mm (¼") for joints.

Temples should not be regarded as mere buildings but as classical ornaments, best viewed from afar at the end of a vista or cresting a rise. They are essentially frivolous and mood-evoking, often intended for no other purpose than to enliven the senses. Wherever one finds them, temples should be just this, or more.

Small Classical Temple L9250 with X510C Dome and HN6005 Floor. For Piper Statue, see page 78.

ARCHITECTURAL STONEWORK TEMPLE FLOORING

Temple Flooring

Available for Balustraded, Small Classical and Large Classical Temples. Stepped Temple Floors are available for Small and Large Classical Temples. Produced in TecStone cast stone as standard.

TS Tech Sheet No. T25 for Stepped Flooring

TS Tech Sheet No. T35 for Flooring

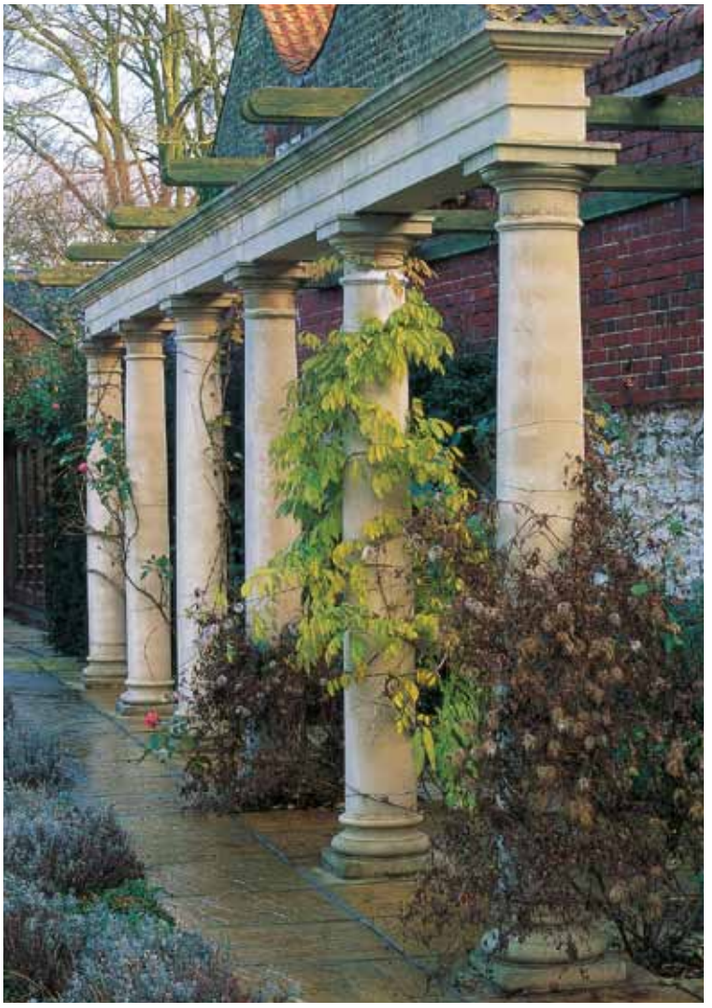
ARCHITECTURAL STONEWORK PERGOLA

Pergola L900

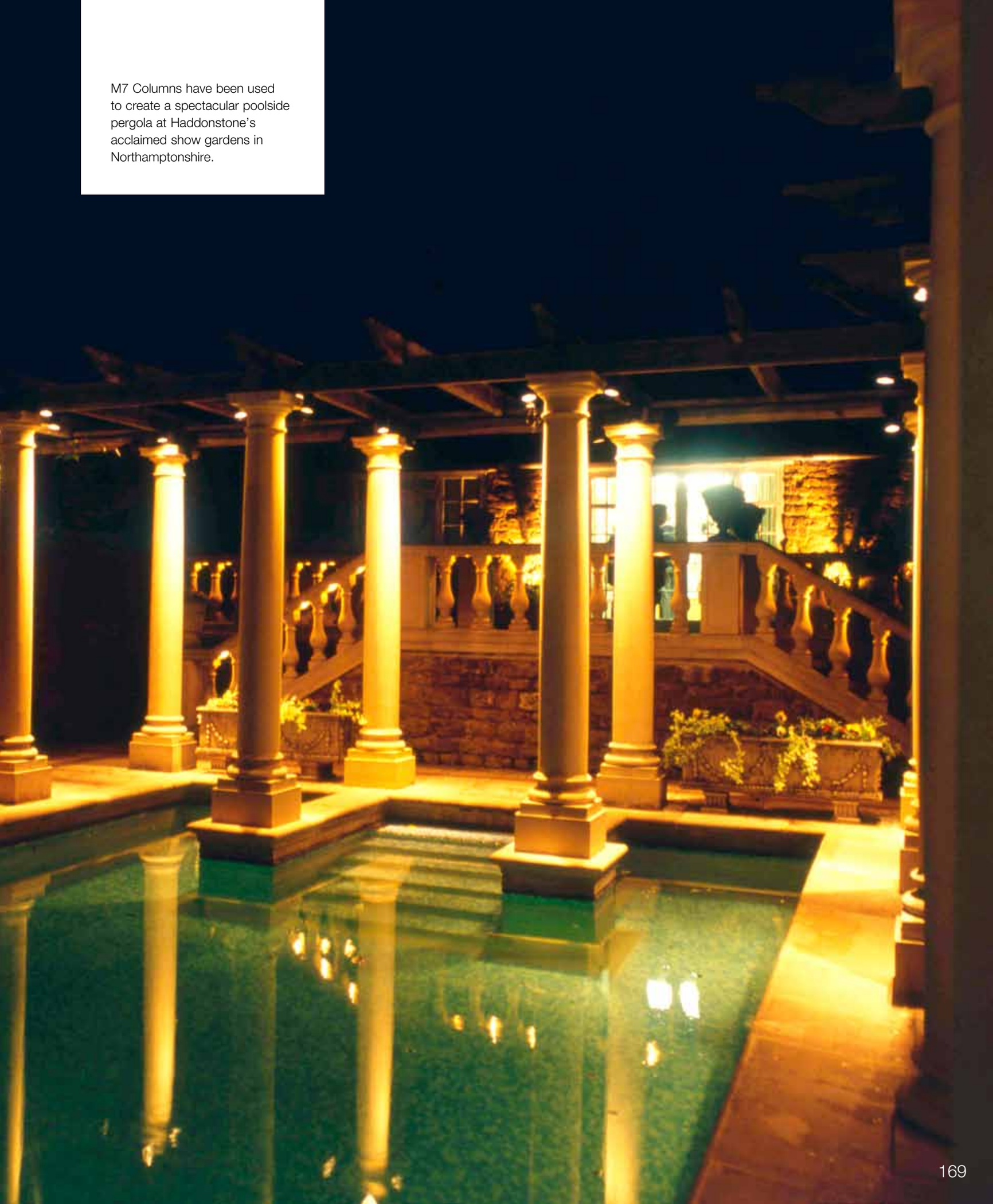
Designed for the M7 Tuscan Column range. Can be supplied for column spacings of up to 1829mm (72") centres.

TS Tech Sheet No. PG10

TS CAD1 Column Assembly Details



M7 Columns have been used to create a spectacular poolside pergola at Haddonstone's acclaimed show gardens in Northamptonshire.



ARCHITECTURAL STONEWORK
RUINS, FOLLIES & GROTTOES

"Mood, association, magic:
these are indeed the essence of follies"

Gervase Jackson-Stops, 1989

Ruins, follies and grottoes were in vogue for a considerable period of the XVIII and XIX centuries: valued for their aesthetic, emotional and romantic qualities.

Using standard architectural and ornamental components from the Haddonstone collection it is possible – with flair and imagination – to design and construct picturesque structures in the style of the antique.

Based on the L9300 Pavilion, this ruinous folly has been constructed in the City of Westminster, Colorado, USA.

Folly from Haddonstone's 1995 Chelsea exhibit rebuilt in a London garden.

Landscaping by Notcutts

A private garden in the West Midlands features this ruinous Venetian Folly.

Folly featuring L9605 Gothic Arch at a private Northamptonshire home.

Custom-made products are available on request.

Inspired by the works of Piranesi, Haddonstone's 2003 Chelsea Show Garden used standard designs to recreate an evocative scene of Roman antiquity.

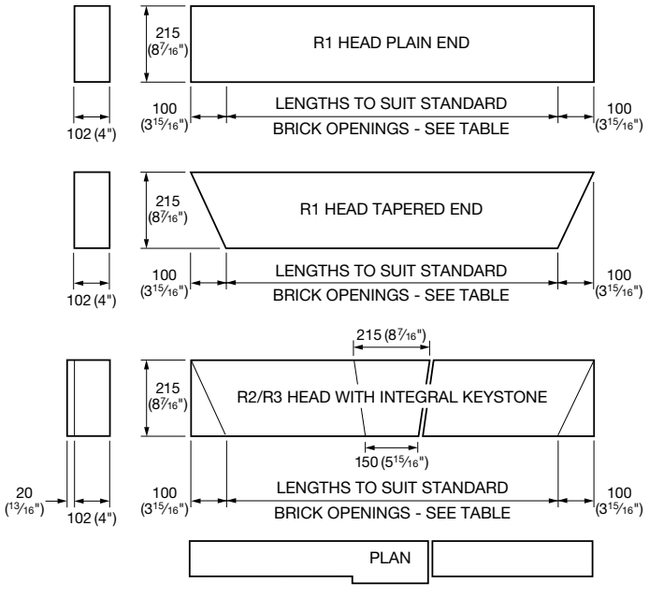
Haddonstone's Northamptonshire showgarden features this Gothic Grotto.

Triumphal arch created for Nanatsudo Park in Mito City, Japan.

This Gothic folly enhances the grounds of a private residence in Suffolk.

Intriguing water feature with Grotesque Masks and Fontainebleau Fountain.

ARCHITECTURAL STONEWORK
HEADS, SILLS, KEYSTONES & WINDOW SURROUNDS



R3 Head with P2 Sill

Q920 Keystone

Window Heads

Our standard designs – R1, plain-ended or tapered; R2, plain-ended with integral keystone; and R3, tapered with integral keystone – suit a three-brick course height in a normal cavity-wall situation. They are available to suit the following British Standard brick openings:

R1, R2, R3

460mm (18 1/8")	910mm (35 13/16")	1248mm (49 1/8")	1585mm (62 3/8")*
685mm (26 15/16")	1135mm (44 11/16")	1360mm (53 9/16")	1810mm (71 1/4")*

*Only supplied as a two-piece head, left-hand end of R2 and R3 incorporating keystone.

Please note that other head sizes can be manufactured to order.

Supporting lintels must be used as these window heads are not structural members.

We strongly recommend that you refer to Eurocode 6 and PD 6697: 2010.

Window Sills

Our three standard designs suit one or two-brick course heights in a normal cavity-wall situation. They are available in the following lengths to suit British Standard brick openings:

P1		P2/P9	
460mm (18 1/8")	1248mm (49 1/8")*	460mm (18 1/8")	1248mm (49 1/8")
685mm (26 15/16")	1360mm (53 9/16")*	685mm (26 15/16")	1360mm (53 9/16")*
910mm (35 13/16")	1585mm (62 3/8")*	910mm (35 13/16")	1585mm (62 3/8")*
1135mm (44 11/16")**	1810mm (71 1/4")*	1135mm (44 11/16")	1810mm (71 1/4")*

Note: Dimensions exclude stooling - maximum 100mm (3 15/16") at each end.

*Only supplied as a two-piece sill.

**One-piece only when supplied without stools.

Please note that other sill sizes can be manufactured to order.

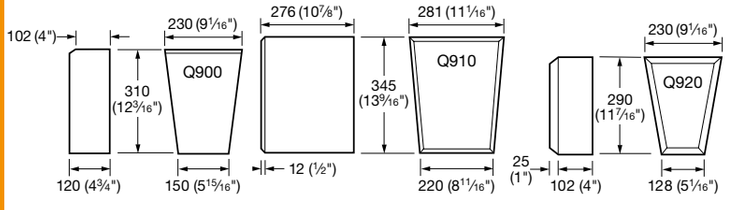
We strongly recommend that you refer to Eurocode 6 and PD 6697: 2010, and our Tech Sheet M90/TS for installation recommendations.

TS Tech Sheet No. M90

Keystones

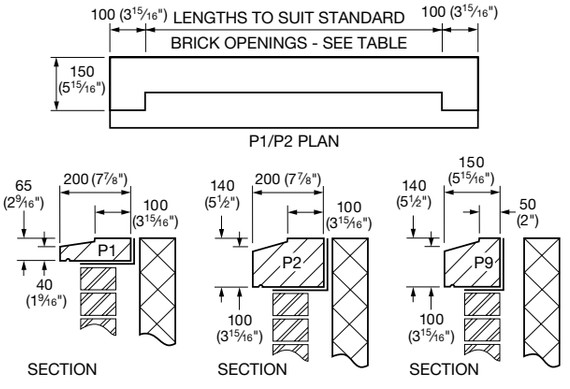
We have three standard designs: Q900A, Q910A and Q920A. Please note that other keystones can be manufactured to individual requirements.

KEYSTONES



TecLite Quoin TLQ920 also available. Thickness 25mm (1").

WINDOW SILLS



Custom-made products are available on request.

TecLite Heads and Sills also available, see page 183

Window Surrounds

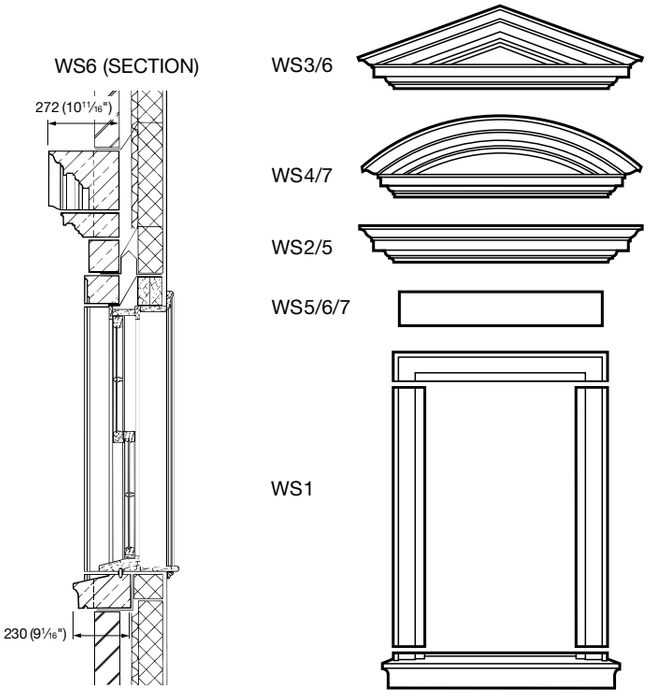
Haddonstone has a range of classical window surrounds which can be tailored to suit individual requirements. These surrounds, based on the Tuscan style, can be used for new build or refurbishment.

Haddonstone will always continue to create custom-made surrounds, either to an architect's drawing or to match an existing design. Please contact your nearest Technical Department for further information.

We strongly recommend that you refer to Eurocode 6 and PD 6697: 2010.

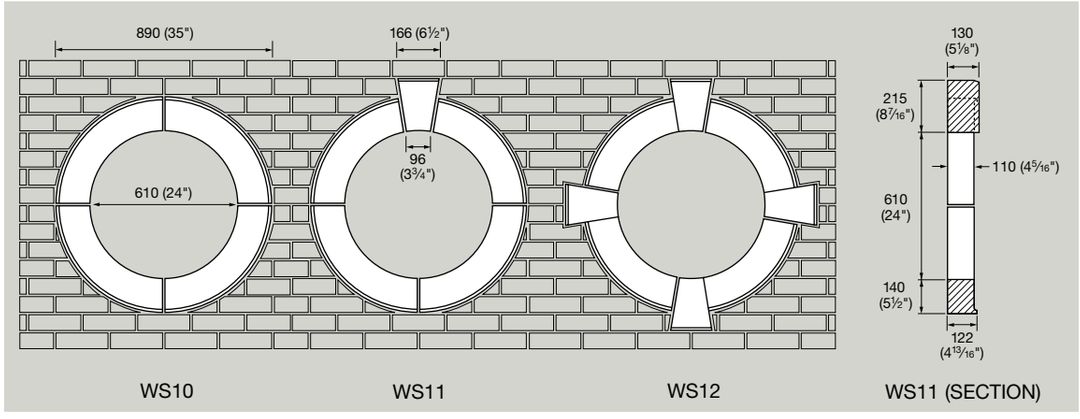
WS6 Window Surround

WS2 Window Surround



Bull's-Eye Window Surrounds

Offered in addition to Haddonstone's standard range of surrounds, Bull's-Eye windows are available in three standard styles, as illustrated below:



Refer to the Architectural Supplement for specific US designs.

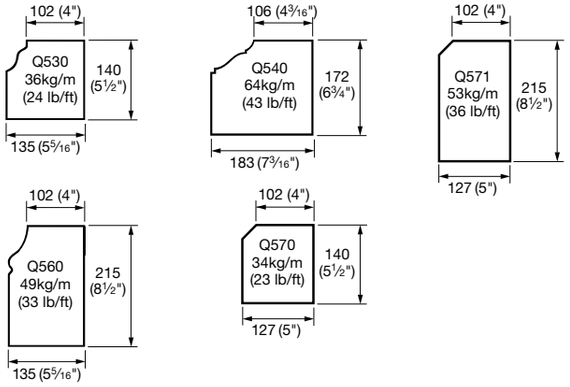
TecLite Window Surrounds also available, see page 183.

Custom-made products are available on request.

ARCHITECTURAL STONEWORK
PLINTHS, STRING COURSES & DETAILS

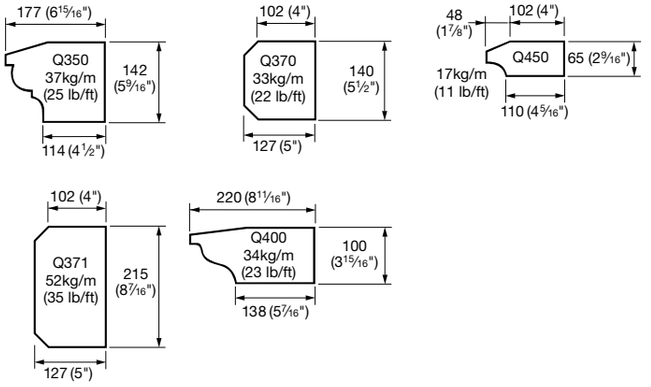
Plinth Courses

The five standard designs illustrated are available in lengths shown in the price list. Plinth courses can also be produced to individual requirements. The Q540 plinth course matches the S120G pier base.



String Courses

Five standard designs are available in lengths shown in the price list. String courses can also be produced to individual requirements.

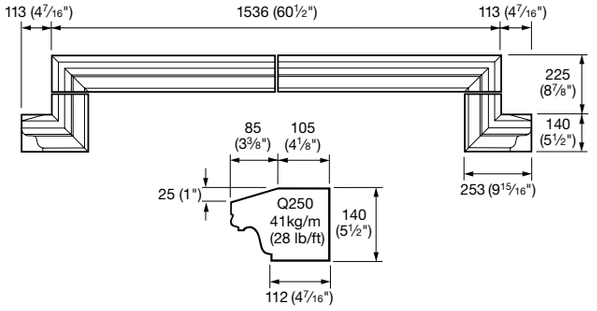


House gable showing special vent, corbels and copings.

Hood Mould Q250

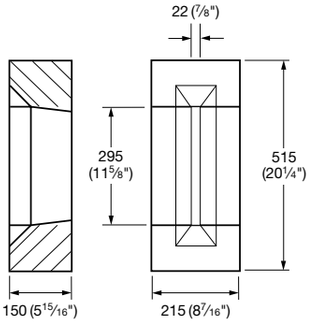
Hood moulds can be made for both new and restoration work. This hood mould has been designed to suit British Standard nominal brick size including joint of 225mm x 112.5mm x 75mm (8⅞" x 4⁷⁄₁₆" x 2¹⁵⁄₁₆") and can be supplied in maximum 865mm (34¹⁄₁₆") lengths to fit any structural opening.

Supporting lintels must be used as these hood moulds are not structural members.



Gable Vent Q680

This architectural feature is normally used in the gable end of a house.



Weight: 31kg (68 lb)

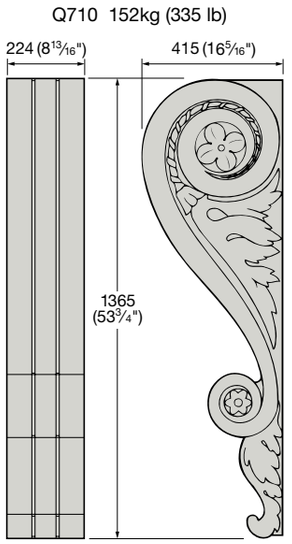
Custom-made products are available on request.

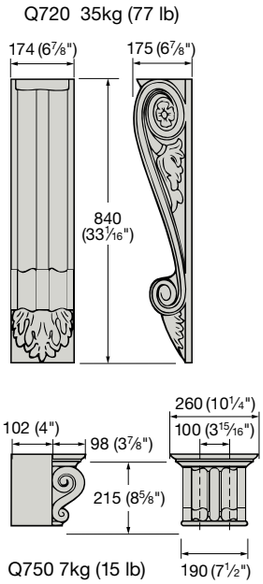
Refer to the Architectural Supplement for specific US designs.

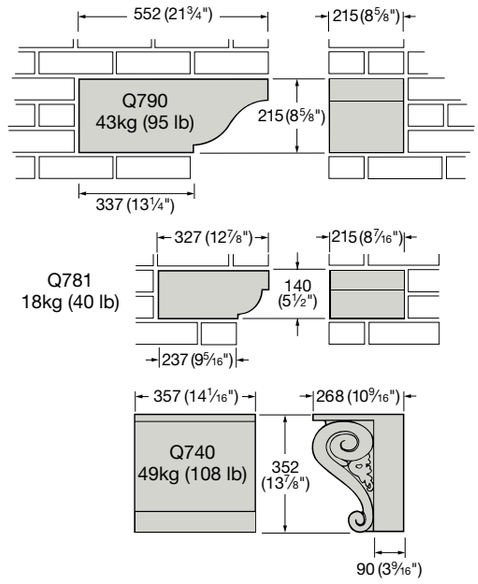
Brackets & Corbels

Haddonstone's range of standard brackets and corbels can be applied as decorative features below cills, ledges, balconies, parapets and any other projecting element. Where our standard designs do not match your requirements, we can produce custom-made stonework to order.

Please note that attention must be given to the damp-proofing detail where a bracket or corbel bridges a cavity wall.







Q100 Quoins

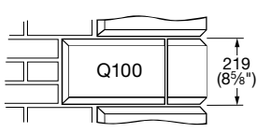
Q110 Quoins

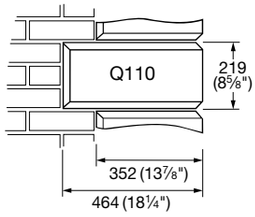
Q180 Quoins

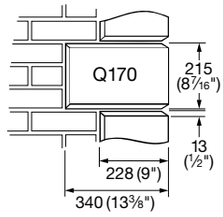
Q790 Corbel

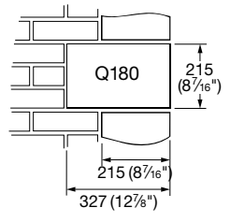
Quoins

Haddonstone has a range of standard designs to suit most applications.
Custom-made designs available on request. Q110 weight: 37kg (81 lb)

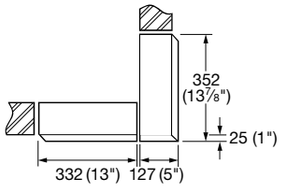




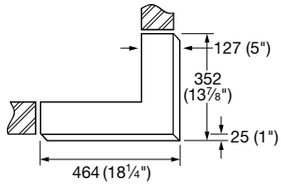




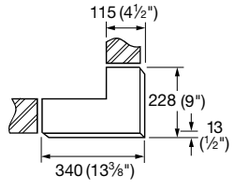
PLAN FOR Q100



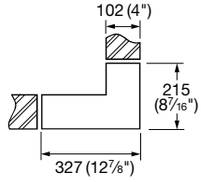
PLAN FOR Q110



PLAN FOR Q170



PLAN FOR Q180



TecLite Quoin also available, see page 183.

Refer to the Architectural Supplement for specific US designs.
Custom-made products are available on request.

ARCHITECTURAL STONEWORK
ROUNDELS & PLAQUES

The roundels and plaques illustrated have been specially commissioned by clients. We would be pleased to quote for your individual requirements.

Gothic Roundel Q620

Diameter: 432mm (17”)
Thickness: 115mm (4½”)
Weight: 31kg (68 lb)

Surround Q621

Internal diameter: 445mm (17½”)
External diameter: 625mm (24½”)
Thickness: 200mm (7⅞”)
Weight: 21kg (46 lb)

Image above shows Q620/Q621

Rose Roundel Q640

Diameter: 595mm (23½”)
Thickness: 100mm (3 15/16”)
Weight: 36kg (79 lb)

Swagged Q650

A date can be incorporated within this design at additional cost.

Diameter: 785mm (31”)
Thickness: 110mm (4½”)
Weight: 84kg (185 lb)

Custom-made name plaque.

Custom-made name plaque for the entrance to Seaham Hall Hotel in County Durham

Circular Q625

A date or letters can be incorporated within this design.

Diameter: 432mm (17”)
Thickness: 102mm (4”)
Weight: 30kg (66 lb).

Surround Q621

Internal diameter: 445mm (17½”)
External diameter: 625mm (24½”)
Thickness: 200mm (7⅞”)
Weight: 21kg (46 lb).

Image below shows Q625/Q621

Rectangular Q630

Date or letters can be cast in.

Length: 440mm (17 5/16”)
Height: 290mm (11 7/16”)
Thickness: 102mm (4”)
Weight: 26kg (57 lb)

Plaque TLQ635

Haddonstone is now able to offer retro-fit house number plaques.

Length: 200mm (7⅞”)
Height: 120mm (4¾”)
Thickness: 16mm (⅝”)
Weight: 650g (1½ lb)

For ornamental plaques see page 115-116.
Custom-made products are available on request.

CLADDING & RAIN SCREEN CLADDING

In recent years, Haddonstone has gained an increasing reputation for the custom-manufacture of blocks for cladding and rain screen cladding. Examples can be seen on this page. Designers, developers and private clients are encouraged to contact their nearest Haddonstone office to discuss any appropriate projects.

Londonderry city centre features extensive cladding by Haddonstone.

Cladding with cast-in quotations at Wimbledon High School Rutherford Centre.

Apartments in Northampton town centre featuring Haddonstone cladding.

Rain screen cladding at Seaham Hall Hotel and Serenity Spa.

Cladding in Nottingham City centre.

Extensive use of custom cladding for prominent fast-food outlet in Bridlington.

Cladding on a New York Development.

ARCHITECTURAL STONEWORK FLOORING & PAVING

Haddonstone offers a range of flooring and paving designs for interior and exterior use. Weight: 89kg per m^2 (18 lb per ft^2)

For interior use, the conservatory and orangery flooring ranges are etched and a seal applied at our manufactory before dispatch. Both then require sealing by the client after installation.

Like quarried stone, Haddonstone can exhibit slight shade variations from piece to piece, reflecting the colour of the natural materials used in the production process.

Conservatory Flooring

Suitable for indoor use. Standard sizes can be combined to create many different patterns.

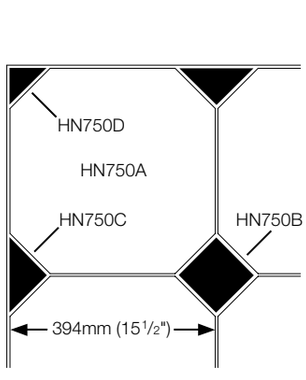
HN722A: 300 x 300 x 25mm (11 13/16" x 11 13/16" x 1")
HN725A: 450 x 450 x 25mm (17 3/4" x 17 3/4" x 1")
HN726A: 450 x 225 x 25mm (17 3/4" x 8 7/8" x 1")

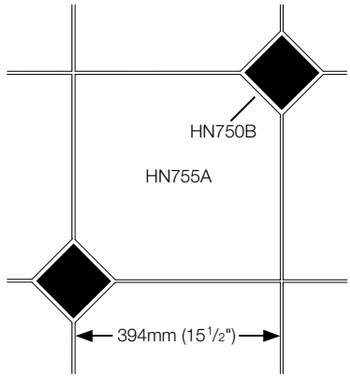
For exterior applications, see Smooth Paving on page 179.

Orangery Flooring

Suitable for indoor use. A traditional Victorian-style flooring system which can be seen to best effect if ordered in contrasting colours as shown above.

HN750A / HN755A: 394 x 394 x 38mm (15½" x 15½" x 1½")
HN750B: 102 x 102 x 38mm (4" x 4" x 1½")





Custom-made products are available on request.

For Temple Fooring see page 168. For Steps and Rsers see page 181.

ARCHITECTURAL STONEWORK PAVING

Textured Paving HN800/HN801/HN805

Haddonstone manufactures a range of paving with a subtle texture which is available in the following sizes:

HN800A: 600 x 600 x 38mm (23 5/8" x 23 5/8" x 1 1/2")

HN801A: 600 x 300 x 38mm (23 5/8" x 11 13/16" x 1 1/2")

HN802A: 300 x 300 x 38mm (11 13/16 x 11 13/16 x 1 1/2")

HN805A: 450 x 450 x 38mm (17 3/4" x 17 3/4" x 1 1/2")

Riven Paving HN855

Customers can achieve a random effect by alternating the grain direction. In addition to the standard colours, Riven Paving is also available in York colour as shown above. Available in one size only:

Size: 450 x 450 x 38mm (17 3/4" x 17 3/4" x 1 1/2")

Smooth Paving

Suitable for exterior use. Standard sizes can be combined to create many different patterns, see photograph page 180.
For interior applications, see Conservatory Paving on page 178.

HN700A: 600 x 600 x 38mm (23 5/8" x 23 5/8" x 1 1/2")
HN701A: 600 x 300 x 38mm (23 5/8" x 11 13/16" x 1 1/2")
HN702A: 300 x 300 x 38mm (11 13/16" x 11 13/16" x 1 1/2")
HN705A: 450 x 450 x 38mm (17 3/4" x 17 3/4" x 1 1/2")
HN706A: 450 x 225 x 38mm (17 3/4" x 8 7/8" x 1 1/2")

Haddon Pavers HN870/HN871

Haddonstone offers simple paver-style blocks that can be used to compliment the company's various paving ranges.

These are only available in two special colours: Brindle Red -10 (top) and Brindle Blue -11 (bottom), as illustrated, in the following sizes:

HN870A: 210 x 100 x 38mm (8 1/4" x 3 15/16" x 1 1/2")
HN871A: 210 x 65 x 38mm (8 1/4" x 2 9/16" x 1 1/2")

General Note: Paving

A well-laid foundation is essential for effective and lasting results. A fall of at least 1 in 60 is recommended. For a clean architectural appearance, the joints can be mortar-pointed. For a softer, natural appearance, paving should be laid edge to edge, unpointed, with sand brushed into the joints. This method also facilitates drainage. Cement and mortar stains are difficult to remove from paving so extreme care must be taken to keep surfaces clean. Four clear days should be allowed to elapse after construction before foot traffic is allowed over all laid areas. For vehicular traffic, special laying instructions are available on application.

ARCHITECTURAL STONEWORK
PAVING & STEPS

Haddonstone's standard paving and steps can be used to great effect in numerous garden and landscape applications.

Custom sizes can be created to meet customer requirements or the slabs can be cut on site by professional contractors.

HN1 Treads with HN3 Risers.

Terracotta coloured HN1 Treads with HN3 Risers.

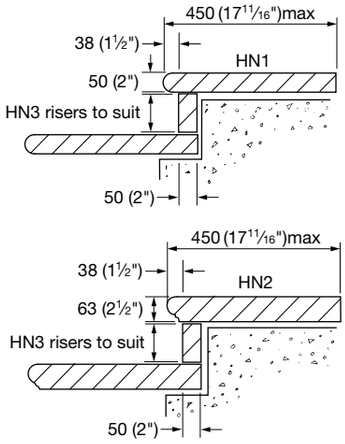
Smooth Paving in custom sizes at the Army Air Corps Memorial, Hampshire.

Steps

IMPORTANT: Haddonstone steps must be continuously bedded.

Treads are available, as standard, in a plain bull nose or a moulded design as shown, in lengths of 1000mm (39⅜") and in standard widths of 300mm (11¹³⁄₁₆"), 375mm (14¾") and 450mm (17¹¹⁄₁₆"). These treads can be supplied with mouldings returned to left or right-hand ends. Square-edged risers are also available to suit. We have a range of curved treads and risers to meet individual requirements.

Treads and risers are produced in TecStone as standard.



Spiral Steps

Haddonstone has introduced a spiral staircase that is both simple and elegant.

With the riser and locating ring being an integral part of each step, a complete staircase can provide a functional design solution for both traditional and contemporary projects. Principally designed for interior use, the steps are available in widths up to 1200mm (47¼").

We strongly recommend that professional advice is taken to ensure that any proposal is designed to be structurally sound. For further information please contact your nearest Haddonstone office.

HN1 Treads with HN3 Risers.

HN1 Treads with HN3 Risers.

ARCHITECTURAL STONEWORK TECLITE

HADDONSTONE HAS LAUNCHED A REVOLUTIONARY MATERIAL CALLED TECLITE.

Before:

Although TecLite closely resembles traditional cast stone and natural stone in appearance, the use of thin wall construction and GRC/GFRC technology means the component weight is reduced by approximately two thirds when compared with similar Haddonstone pieces.

TecLite is a cement based material containing drawn glass fibre (Glass Fibre Reinforced Concrete) which benefits from a high strength to weight ratio. TecLite is, therefore, ideal for retro-fit, timber-frame and new build projects where component weight is an issue. TecLite is also used for the production of some garden and landscape ornaments.

TecLite products can be used in conjunction with standard Haddonstone architectural components as the colours are complementary. Consequently, users can incorporate both Haddonstone and TecLite components in the same project with absolute confidence. TecLite products can be used to achieve the same crisp detailing normally only associated with Haddonstone designs.

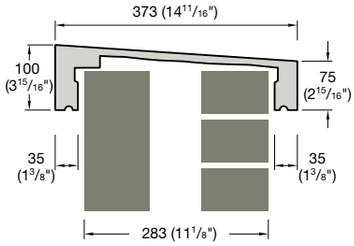
After: TecLite has been used extensively at this Leicestershire residence – completely transforming the exterior of the property.

Standard TecLite designs for interiors and exteriors include:

- DOOR SURROUNDS
- COLUMNS, HALF COLUMNS AND PILASTERS
- ENTABLATURES AND PEDIMENTS
- COPINGS AND PARAPET COPINGS
- STRING COURSES, PLINTH COURSES, QUOINS AND BLOCKS
- WINDOW SURROUNDS, CILLS, HEADS AND KEYSTONES
- CUSTOM-MADE DESIGNS TO INDIVIDUAL SPECIFICATIONS
- GARDEN AND LANDSCAPE ORNAMENTS

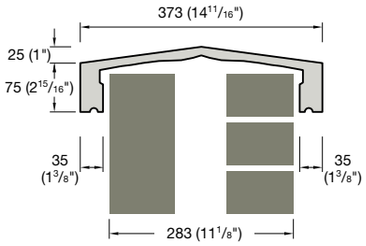
ARCHITECTURAL STONEWORK
TECLITE DETAILS & DRESSINGS

CAPPINGS



TLT390
24kg/m (16 lb/ft)

TLT395
As TLT390 except 393mm (15 1/2") width to suit 303mm (11 15/16") wall
25kg/m (17 lb/ft)



TLT790
23kg/m (15 lb/ft)

TLT795
As TLT790 except 393mm (15 1/2") width to suit 303mm (11 15/16") wall
24kg/m (16 lb/ft)

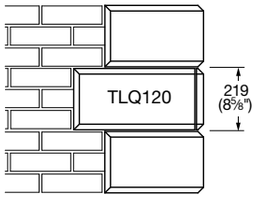
WINDOWS HEADS & CILLS

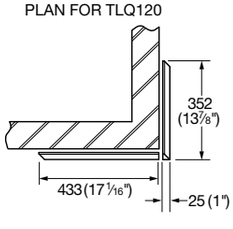
Haddonstone is able to offer a comprehensive range of window heads and cills in TecLite. Window surrounds are also available. For further information please contact your nearest Haddonstone office.

QUOIN

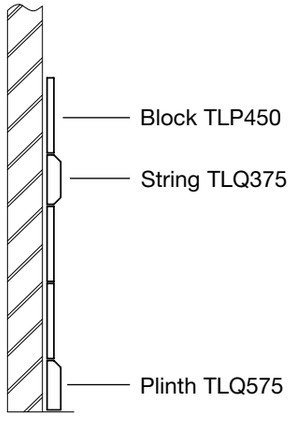
Surface-Fixed Quoin TLQ120

Weight: 9kg/course (20 lb/course).





ARCHITECTURAL DETAILS

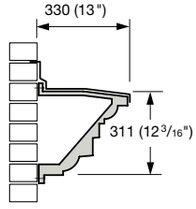


Block TLP450
444 x 219 x 20mm
(17 1/2" x 8 5/8" x 3/4")
Weight: 4kg (9 lb).

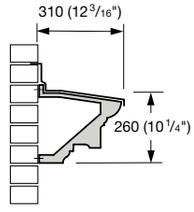
String TLQ375
894 x 144 x 40mm
(35 1/4" x 5 11/16" x 1 9/16")
Weight: 10kg/metre (7 lb/ft).

Plinth TLQ575
894 x 144 x 40mm
(35 1/4" x 5 11/16" x 1 9/16")
Weight: 10kg/metre (7 lb/ft).

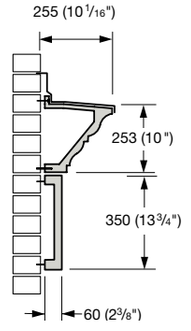
ENTABLATURES



Dentilled Cornice TLL215
50kg/m
(34 lb/ft)



Cornice TLL310
50kg/m
(34 lb/ft)



Cornice TLL510
39kg/m
(27 lb/ft)

Architrave TLL450
(for use in conjunction with TLL215, TLL310 and TLL510).

15kg/m
(10 lb/ft)

ARCHITECTURAL STONEWORK TECLITE DOOR SURROUNDS

Standard Jamb
TLQ309

Weight: 36kg (79 lb)
TLQ309B for left (shown)
TLQ309C for right

Feature Jamb
TLQ310

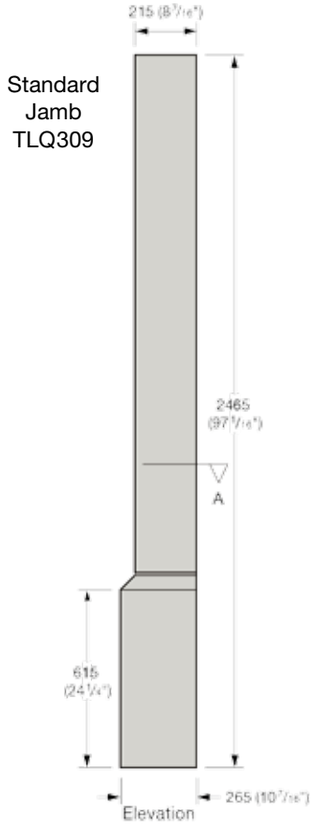
Weight: 36kg (79 lb)
TLQ310B for left (shown)
TLQ310C for right

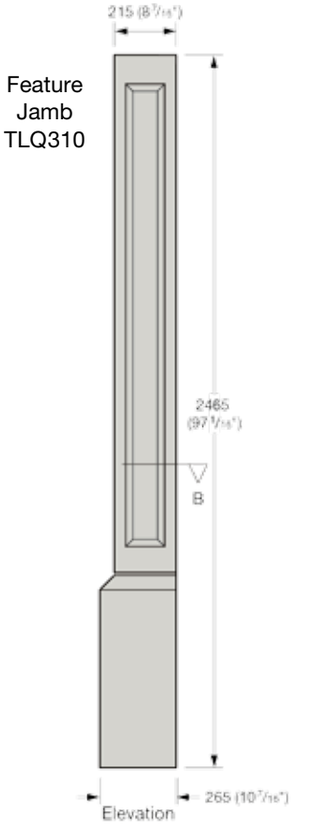
Fluted Jamb
TLQ311

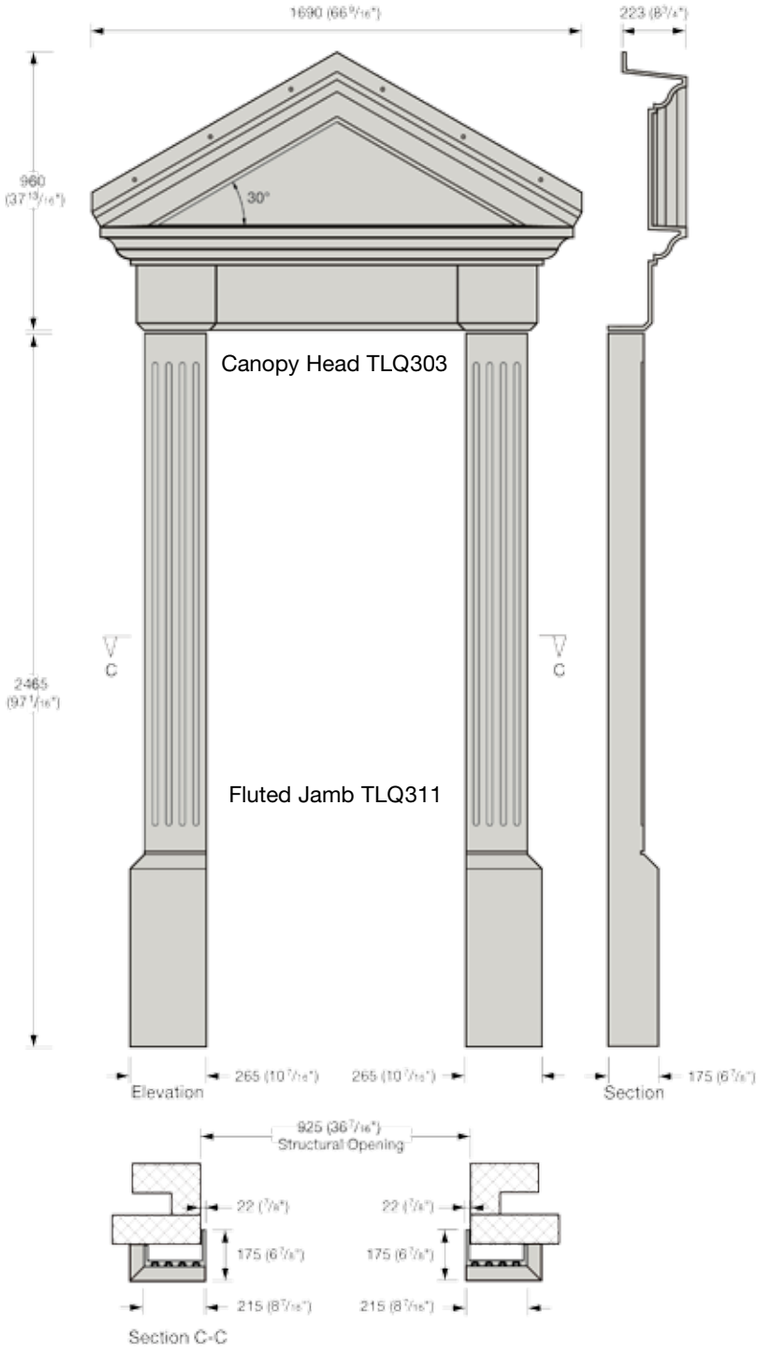
Weight: 36kg (79 lb)
TLQ311B for left
TLQ311C for right

Canopy Head
TLQ303

Weight: 80kg (176 lb)
Can be used with TLQ309, TLQ310 and TLQ311







All Jambs supplied as shown - 615mm (24¼") plinth section can be cut to form shorter jambs as required.

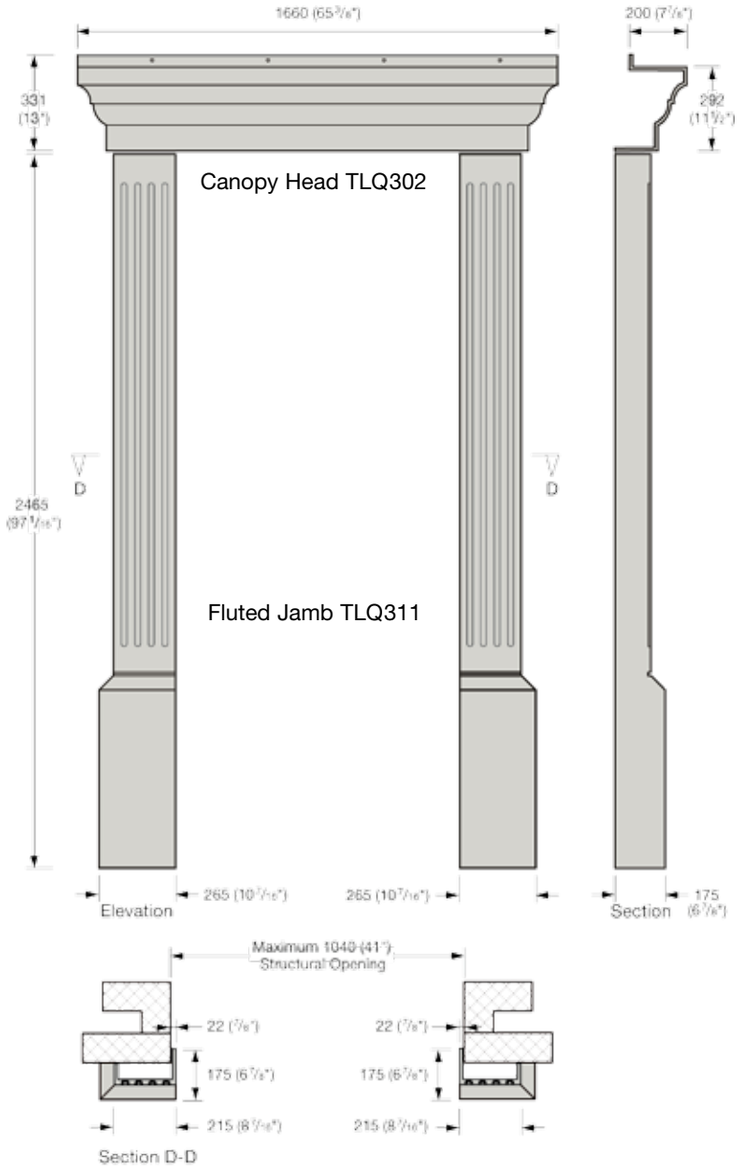
TS Tech Sheets available.
Installation kits available.

Fluted Jamb
TLQ311

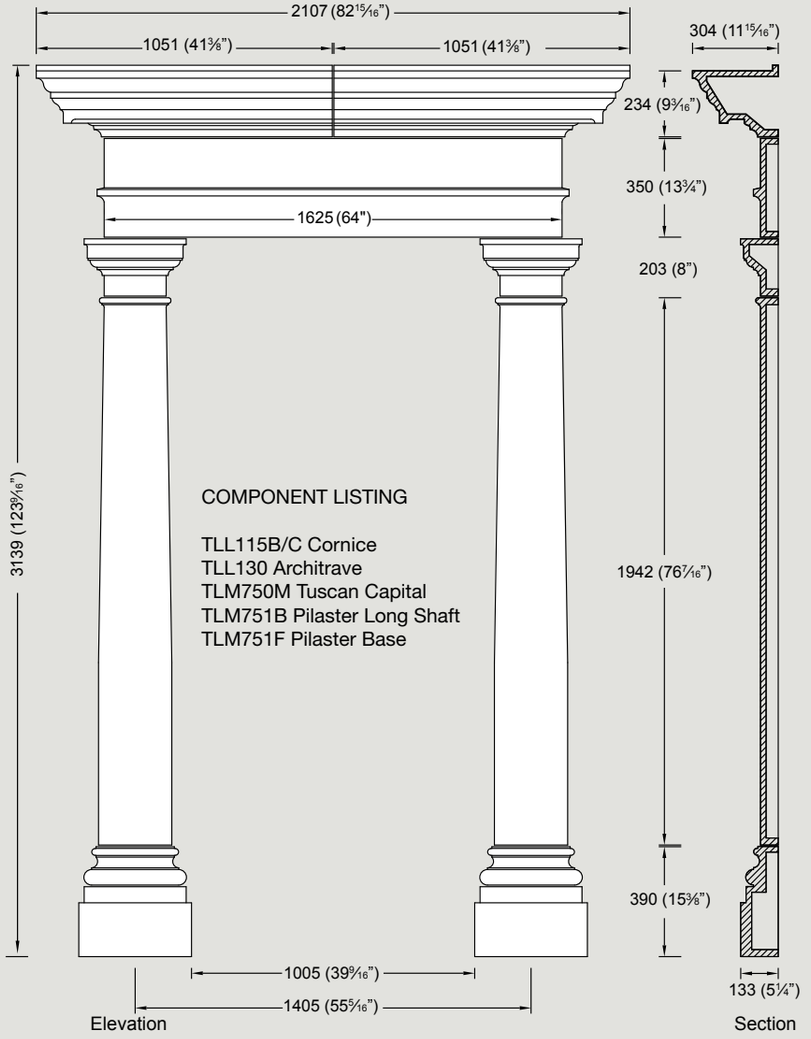
Weight: 36kg (79 lb)
TLQ311B for left
TLQ311C for right

Canopy Head
TLQ302

Weight: 44kg (97 lb)
Can be used with TLQ309,
TLQ310 and TLQ311



IMPORTANT NOTICE: Canopy Heads TLQ301, TLQ302 and TLQ303 are interchangeable. Each has been designed to be used in conjunction with Jambs TLQ309, TLQ310 and TLQ311.



Door Surround
TLQ320

Total weight: 220kg (485 lb)

HADDONSTONE

Haddonstone Ltd,
The Forge House, East Haddon, Northampton NN6 8DB, England.
Telephone: 01604 770711 Fax: 01604 770027 info@haddonstone.co.uk

Haddonstone (USA) Ltd,
Telephone: 856 931 7011 Fax: 856 931 0040 info@haddonstone.com

Haddonstone (USA) Ltd,
32207 United Avenue, Pueblo, CO 81001, USA.
Telephone: 719 948 4554 Fax: 719 948 4285 stone@haddonstone.com

www.haddonstone.com

ISBN: 978-0-9563891-2-1

Issue date: January 2015