

Standard Specification

Gutters, down pipes and fixings

.1 Supply

- .1 All cast iron gutters, downpipes and associated fittings are to be made by:
Hargreaves Foundry, Water Lane, South Parade, Halifax, West Yorkshire HX3 9HG
Telephone 01422 330607
- .2 Store all gutters and downpipes undercover, horizontally, and supported at 1M intervals.
- .3 Check gutter and pipe sections for consistent wall thickness and true line. Distorted or uneven castings shall be rejected. Allow the architect to inspect and approve all cast iron fittings before preparation and fixing.
- .4 Allow for stop ends, swannecks and offsets and Warns' Outlet Chutes (Described on a separate drawing in this specification) sufficient to install the gutters and downpipes shown on the layout drawings. Take note that certain fittings are 'handed.' Assume that all outlets are to be of the Warns' type unless the layout drawings specifically state otherwise.
- .5 Unless otherwise stated on the drawings and work schedule, round downpipes will be used with half round gutters, rectangular down pipes will be used with ogee gutters

.2 Painting

- .1 Painting should be carried out before the fittings are fixed but touching up of chips will have to be done in situ.
- .2 For previously painted surfaces, key the old paint back,
- .3 For Semi-gloss finish:
-Apply 2 coats of Johnstone's Smooth Metal Paint. See Work Schedule for colour.

For Matt finish
-Apply one coat of Craig & Rose zinc phosphate or QUAD 8 primer, inside and out.
-Apply 2 coats of Craig & Rose Micaceous paint inside and out. See Work Schedule for colour.
- .4 Apply 2 coats of bitumen paint to the inside of gutters.
- .5 After fixing touch up any marks and chips.

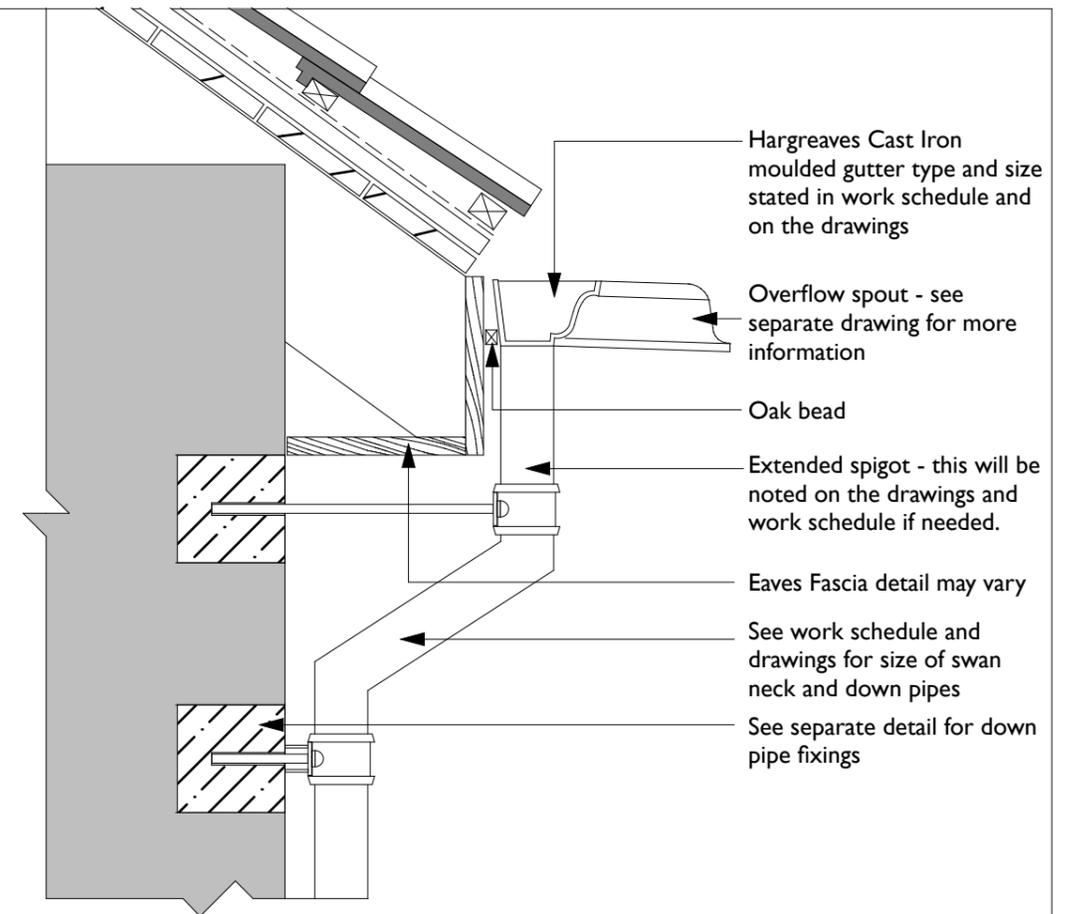
.2 Fixing Pipes

- .1 See the next section: 2.5 of this specification showing typical fixing to a wall. Note all fixings to be stainless steel and painted on completion. An etch primer will be needed to key the stainless steel surface.
- .2 Pipes are not sealed but secured by three lead wedges placed between the socket and spigot to centralise and secure the pipe.
- .3 The fixing blocks are set in to the wall and the pipe set out using a plumb bob to mark the fixing holes. Downpipes shall be vertical in both planes.

.3 Fixing Gutters

- .1 All gutters are to be fixed level, without falls. Fix small oak bead between gutter and fascia to keep the base of an Ogee gutter Horizontal.
- .2 The size and section type are shown on the layout drawings.
- .3 The position of a gutter relative to the roof is critical to catch rainwater run off. Check gutter setting out with the architect before fixing gutters.
- .4 Normally gutters will have external sockets to provide a level internal channel for the water. Overlap joints in the direction of fall (towards the nearest outlet). Ensure that Moulded and Ogee section gutters have the correct 'hand' for the application, this applies to the outlets and stop ends also. When gutters are set on a cornice and in certain visible locations, as part of a built-up cornice for example, internal sockets are to be used. This is normally noted on the project drawings, but if in doubt refer to the architect for clarification.

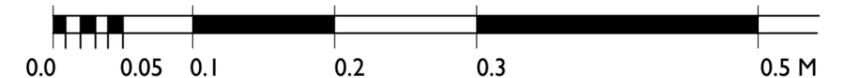
- .5 Jointing is to be by low modulus silicon sealant or linseed oil putty. The jointing compound is spread evenly within the gutter socket and the parts are compressed together with an M6 x 30 mm stainless steel round/pan head setscrew and nut. The projecting ends of the setscrews shall be cut off to leave a maximum of 15 mm exposed.
- .6 All fixings are to be stainless steel. Normally allow two fixings per length of gutter, with outlets being supported by the adjacent sections of gutter.



Ogee Gutter section showing down pipe, 1:10



Moulded gutter profile



Revision:	Notes:	Date:	Key to Symbols used (above)
Revision: A	Notes: Specification for paint of c.i rainwater goods amended	Date: 03/10/2013	This drawing is copyright ©
Drawn:	North Point:	Drawn Scale:	Checked:
Location:	Grid Ref. :		© Nicholas Warns Architect Ltd.
Project:	Standard Specification Details		64 Bishopgate Norwich, NRI 4AA
Drawing:	Gutters, Down pipes and Fixings - APPENDIX D		Job Number:
Scale: 1:10	Location	Plan	Detail
		Section	Elevation
		Original Drawing A3	Job Number:
			Drawing Number:
			Tel.: 01603 622056
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