DOWNSPOUT NOZZLE LOCATION:

The architect or engineer determines the location of the downspout nozzle. We are asked for a height recommendation frequently and our recommendation is 12” to 24” from the bottom of the nozzle to the finished area whether it is a sidewalk or a grassy/soil area. If it is installed too high, the rainwater may splash against the wall. This dimension should be added to the spec or detail. We have seen two installations where the contractor installed the nozzle on the exterior of the parapet wall several stories high. While this created a nice waterfall and conversation, there were other problems created. Attached is a typical downspout nozzle detail from an architect’s drawing. It is referred to as a lamb’s tongue detail.

You will notice the roughing height dimension was not
Figure number 1771 is regularly furnished in cast bronze and available in nickel bronze and polished bronze. A bird screen insert (-BS) is an option to prevent nest building and the entry of vermin. The rainleader downspout piping extends beyond the face of the wall and flange allowing the nozzle to slide over the piping and is secured with set screws. It is available in 2” – 12” connections. A wall flange is provided to cover the rough opening.

Several years ago Smith introduced a special purpose stainless steel rainleader downspout cover that features a hinged stainless steel perforated cover. The cover remains closed during no flow preventing entry of unwanted vermin. During minimal flows, the cover allows discharge through the perforations. It is available in 1½” – 15” sizes can be optionally provided in polished bronze and chrome plated brass. Please refer to figure number 1775. This unit projects a minimal dimension from the face of the wall of 2½”.

The 1775-H5 is the same as described for the 1775 except it projects 5” from the face of the wall. This dimension can be increased upon request with the Sales Engineering group.

Please refer to the attached four submittal drawings.
**ROOF ACCESSORY**

**DOWNSPOUT NOZZLE**

**FUNCTION:** Used as a parapet overflow or at the base of a wall where a concealed leader discharges rainwater to ground. Nozzle design diverts water away from building, eliminating wall stains. Wall flange covers rough opening and serves as anchor.

![Diagram of Downspout Nozzle](image)

**REGULARLY FURNISHED:** Cast Bronze Nozzle and Flange.

**VARIATIONS:**
- Bird Screen -BS
- NO-HUB Adaptor (specify Fig. 2646Y)

(5"(125), 8"(200), 10"(255) and 12"(305) only)

**OPTIONAL MATERIALS:**
- Nickel Bronze -NB
- Polished Bronze -PB

**NOTE:** Dimensions shown in parentheses are in millimeters.
FUNCTION: Used as a parapet overflow or at the base of a wall where a concealed leader discharges rainwater to ground. Nozzle design diverts water away from building, eliminating wall stains. Wall flange covers rough opening.

NOTE: Pipe (Leader) must extend past the face of the finished wall in order to install the wall flange and attach the downspout nozzle. Dimension shall be field determined by installer.

NOTE: Dimensions shown in parentheses are in millimeters.

REGULARLY FURNISHED:
Cast Bronze Nozzle and Flange,
Machined Nozzle Slides Over PVC and Cast Iron Pipe.

VARIATIONS:
- Bird Screen-BS

OPTIONAL MATERIALS:
- Nickel Bronze -NB
- Polished Bronze -PB
SPECIAL PURPOSE DOWNSPOUT COVER

FUNCTION: Used as a downspout cover on a wall where an overflow roof drain concealed leader discharges rainwater to the ground.

3/8(10) Size Securing Holes (4 Holes)

E Dia. Bolt Circle

Hinged Perforated Cover

Fig. 1775. ..........DOWNSPOUT COVER

REGULARLY FURNISHED:
Fabricated Type 304 Stainless Steel
Downspout Cover with Hinged Perforated Cover.

VARIATIONS:  
- Vandal Proof -U

OPTIONAL MATERIALS:  
- Fabricated Polished Brass -PB
- Fabricated Chrome Plated Brass -CP

NOTE: Dimensions shown in parentheses are in millimeters.

DIA. 3/16(5)  2 1/2(64)  3/16(5)

A  0150(38)  3 1/2(89)  4 1/2(115)  7 11/16(194)  6(150)
B  02(50)  3 1/2(89)  4 1/2(115)  7 11/16(194)  6(150)
C  03(75)  3 1/2(89)  4 1/2(115)  7 11/16(194)  6(150)
D  04(100)  4 9/16(116)  5 9/16(142)  8 3/4(220)  7 1/8(181)
E  05(125)  5 5/8(143)  6 5/8(168)  9 13/16(251)  8 1/4(210)
F  06(150)  6 11/16(169)  7 11/16(194)  10 7/8(278)  9(230)
G  08(200)  8 11/16(219)  9 11/16(249)  12 7/8(328)  11 1/4(285)
H  10(250)  10 13/16(276)  11 13/16(301)  15(380)  13 1/2(345)
I  12(305)  12 13/16(326)  13 13/16(351)  17(430)  15 1/2(395)
J  15(380)  16(405)  16 15/16(429)  20 1/8(513)  18 1/2(470)

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POST OFFICE BOX 3237
MONTGOMERY, ALABAMA 36109-0237 (USA)

CUSTOMER DRIVEN SMITH MEMBER OF:
®
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NOTE: Dimensions shown in parentheses are in millimeters.
SPECIAL PURPOSE DOWNSPOUT COVER

WITH SECURED HINGED PERFORATED COVER

3/8" Size Securing Holes (4 Holes)

3/8" Size Securing Holes (4 Holes)

H Dia. Bolt Circle

1/16" Hinged Perforated Cover

FRONT VIEW

RIGHT SIDE SECTION VIEW

REGULARLY FURNISHED:
Fabricated Stainless Steel Downspout Cover with Fabricated Stainless Steel Hinged Perforated Cover.

VARIATIONS:
- Vandal Proof Screws -U

OPTIONAL MATERIALS:
- Fabricated Polished Brass -PB
- Fabricated Chrome Plated Brass -CP

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OVERFLOW NOZZLE DRAIN DESCRIPTION: LAMBS TONGUE DOWNSPOUT NOZZLE WITH BRONZE BODY AND INTEGRAL ANCHORING FLANGE.

SCREEN. OUTLET SIZE AS LISTED ON THE DRAWINGS.
MANUFACTURER + CATALOG NO.: SMITH 1770

LAMBS TONGUE DETAIL

3" = 1'- 0"

0 2 4 8 INCHES