FLUME ORIENTATIONS & POINTS OF MEASUREMENT

FLOW→

CUTTHROAT FLUME

Ha POINT OF MEASUREMENT

THROAT

PLAN VIEW
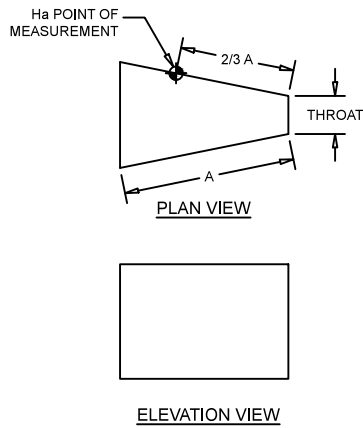
2L/9

L

ELEVATION VIEW

HS / H / HL FLUME

Ha POINT OF MEASUREMENT

HS   D
H   1.0D
HL 1.25 D

HS 1.05D
H   1.9 D
HL   3.2D

D

HS   1.5D
H   1.35D
HL 1.5 D

ELEVATION VIEW
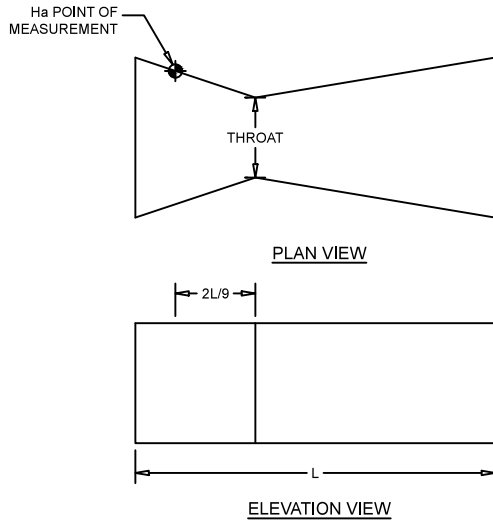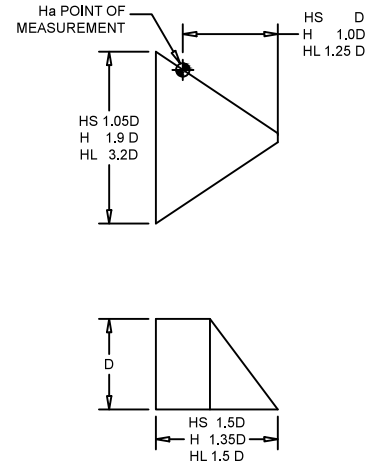
⚠ FREE-SPILLING DISCHARGE REQUIRED

MONTANA FLUME

Ha POINT OF MEASUREMENT

2/3 A

THROAT

A

PLAN VIEW

ELEVATION VIEW
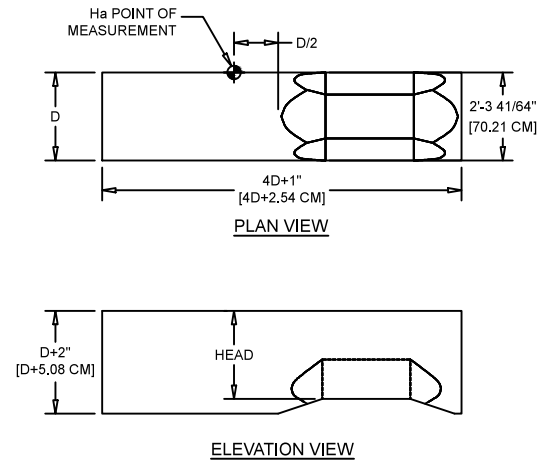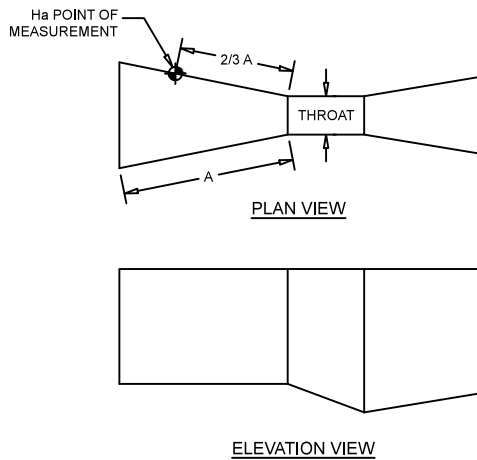
⚠ FREE-SPILLING DISCHARGE REQUIRED
⚠ POINT OF MEASUREMENT: 2/3 A FOR 1"-96" SIZES, 2/3 (THROAT/2+4' [1.22 M]) FOR 120"+ SIZES
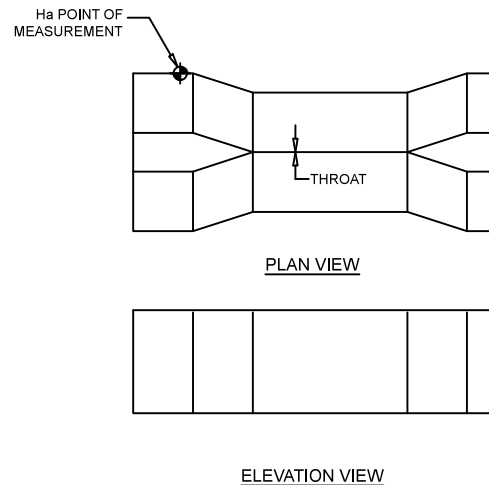
PALMER-BOWLUS FLUME

Ha POINT OF MEASUREMENT

D/2

D

2'-3 41/64"
[70.21 CM]

4D+1"
[4D+2.54 CM]

PLAN VIEW

D+2"
[D+5.08 CM]

HEAD

ELEVATION VIEW

⚠ HEAD IS MEASURED FROM RAMP INVERT TO WATER SURFACE

PARSHALL FLUME

Ha POINT OF MEASUREMENT

2/3 A

THROAT

A

PLAN VIEW

ELEVATION VIEW

⚠ POINT OF MEASUREMENT: 2/3 A FOR 1"-96" SIZES, 2/3 (THROAT/2+4' [1.22 M]) FOR 120"+ SIZES

TRAPEZOIDAL FLUME

Ha POINT OF MEASUREMENT

THROAT

PLAN VIEW

ELEVATION VIEW

FLOW→