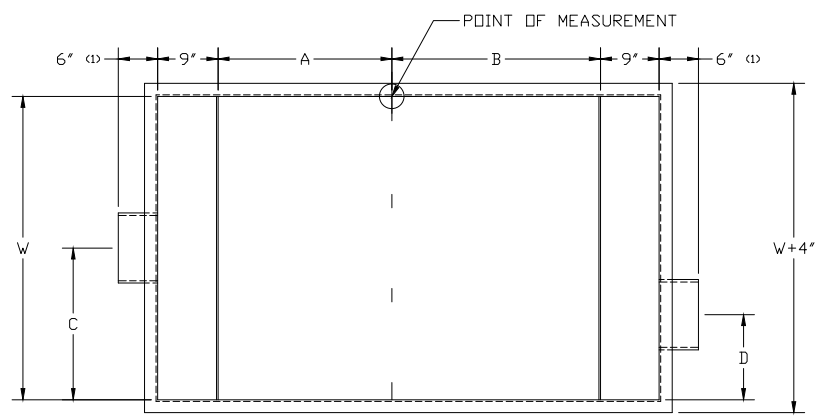
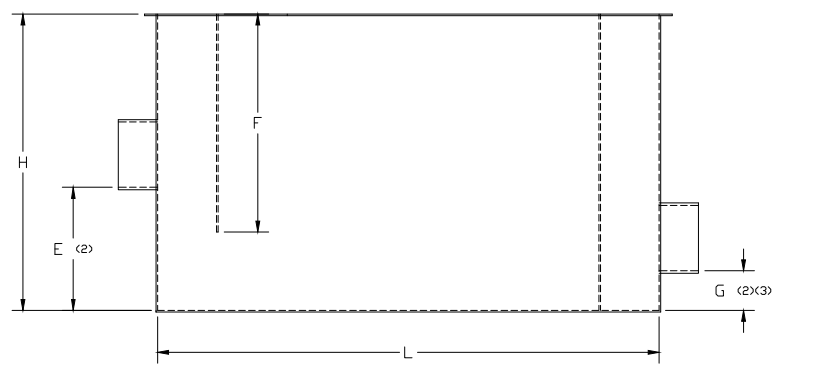


FLOW METER:	N/A
CONNECTION:	N/A
ACCESSORIES:	NONE

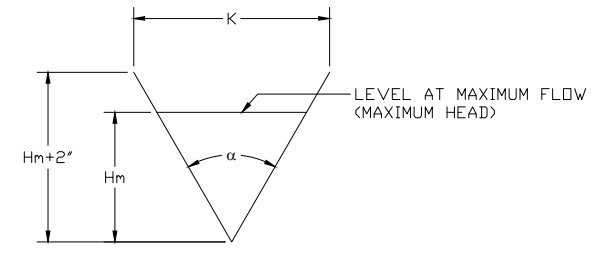
2TAN($\alpha/2$) VALUES FOR COMMON V-NOTCH SIZES	
22-1/2°	= 0.398
30°	= 0.536
45°	= 0.828
60°	= 1.154
90°	= 2.000
120°	= 3.464



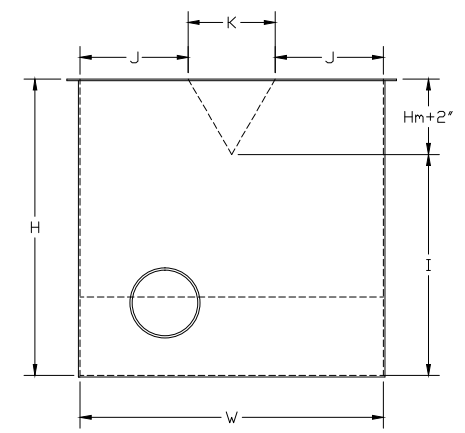
PLAN VIEW



RIGHT ELEVATION



V-NOTCH DIMENSIONS



DISCHARGE ELEVATION

- Hm = Maximum Head
- A = 2Hm
- B = 3Hm
- C = Centerline of inlet pipe stub (or flange) to weir box right wall
- D = Centerline of outlet pipe stub (or flange) to weir box right wall
- E = Inlet pipe (or flange) invert to weir box floor
- F = Baffle height from top of weir box to bottom of baffle
- G = Outlet pipe (or flange) invert to weir box floor
- I = 2Hm
- J = 2Hm
- K = 2(Hmtan($\alpha/2$))

$W = 4Hm + K = 4Hm + 2(Hmtan(\alpha/2)) =$ _____
 $H \langle 4 \rangle = 3Hm + 2" =$ _____
 $L = A + B + \langle 2 \rangle 9" = 5Hm + 18" =$ _____
 $\alpha =$ V-notch weir angle = _____° V
 Flow Rate = _____ Min. _____ Avg. _____ Max.
 Flow Units = _____

(1) WHEN USING FLANGES IN LIEU OF PIPE STUBS, ADD 2"
 (2) ALLOW 3" (MINIMUM) FOR THE CONNECTION OF THE FLEXIBLE PVC BOOT
 (3) THE DOWNSTREAM WATER SURFACE SHOULD BE AT LEAST 0.2' (6 CM) BELOW THE CREST OF THE WEIR PLATE
 (4) WHEN USING ULTRASONIC FLOW METERS: CHECK FOR SUFFICIENT HEIGHT FROM THE SENSOR FACE TO THE SURFACE OF THE WATER AT MAX. HEAD (FOR DEADBAND PURPOSES)

	V-NOTCH WEIR BOX SIZING GUIDE (ISO 1438/1-1990)	
	DWG. NO. WEIRBOX-SIZE-V	REV 0
PROJECT STANDARD PRODUCT	DATE 10/31/03	