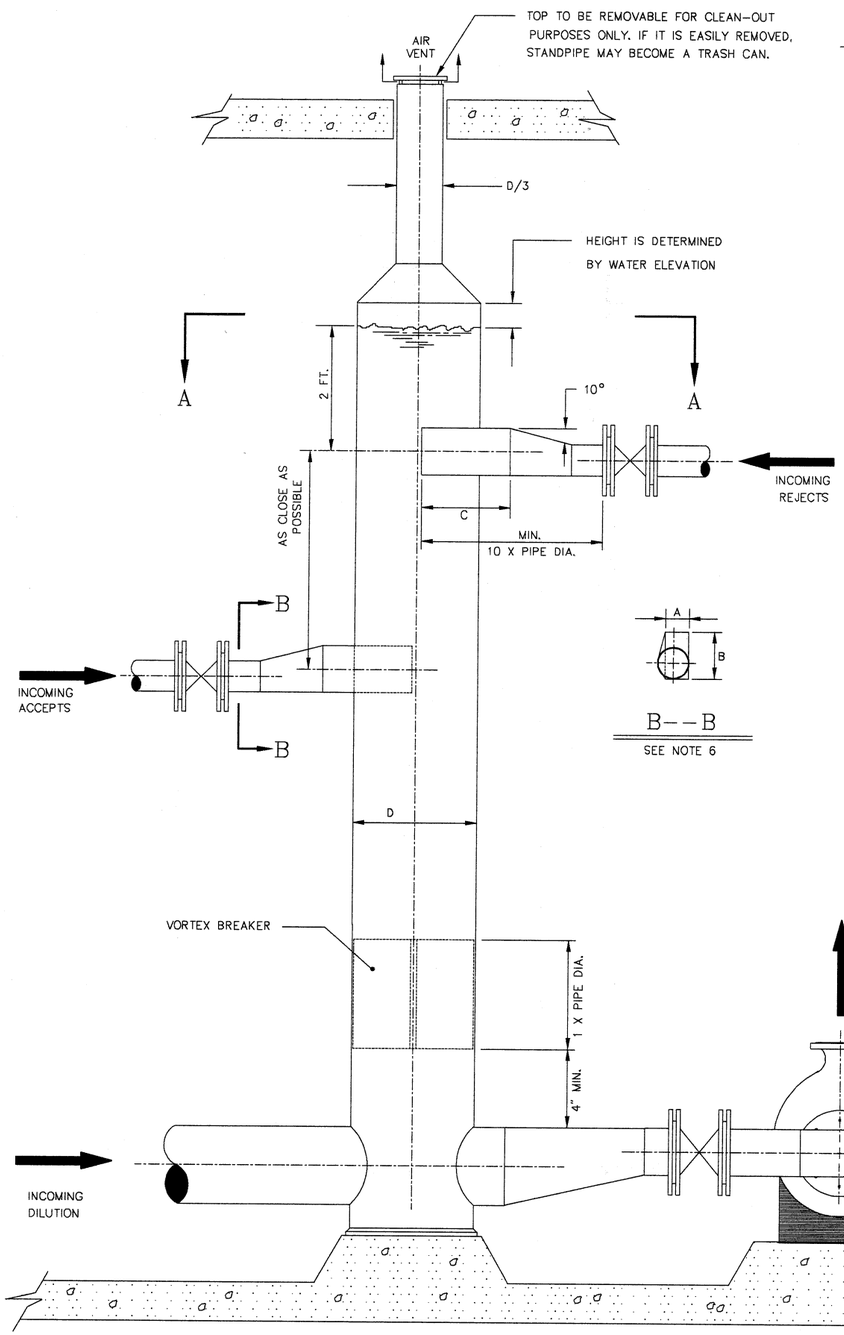
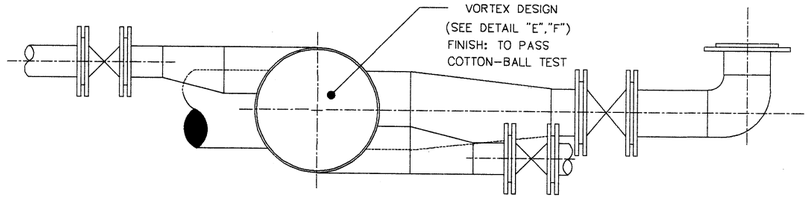
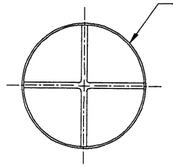
Rev.	Revision	Date	Revised	Approved
0	MANUFACTURERS RECOMMENDED DESIGN	4/8/03	DAB	–



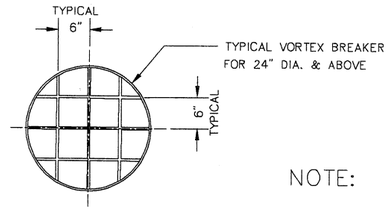
B--B
SEE NOTE 6



A--A



DETAIL "F"



DETAIL "E"

NOTE:

1.) 1/2 FT. PER SECOND DOWN VELOCITY "V" FOR SIZING STANDPIPE DIAMETER.

2.) 5 FT. PER SECOND VELOCITY "V" FOR SIZING PUMP SUCTION.

3.) ALL INCOMING REJECT LINES ARE TO ENTER BELOW WHITE WATER LEVEL, WITH TANGENTIAL ENTRIES TO CREATE A VORTEX. THIS VORTEX WILL AID IN REMOVING AIR.

4.) NEVER LOCATE VALVES RIGHT NEXT TO ENTRIES.

5.) IF UNABLE TO COMPLY WITH DESIGN CRITERIA, YOUR DESIGN MUST BE APPROVED BY GL&V CELLECO.

6.) THE LONG AXIS OF THE RECTANGLE A–B SHOULD BE VERTICAL. IF A IS GREATER THAN B, ROTATE THE RECTANGLE 90 DEGREES.

DIMENSIONAL DATA

$A\ (\text{INCH}) = (.25)\ (D)$

$$B\ (\text{INCH}) = \frac{(\text{GPM})\ (144\ \frac{\text{IN.}^2}{\text{FT.}^2})}{(7.48\ \frac{\text{GPM}}{\text{FT.}^3})\ (60\ \frac{\text{SEC.}}{\text{MIN.}})\ (5\ \frac{\text{FT.}}{\text{SEC.}})\ (\text{A INCH})}$$

$C\ (\text{INCH}) = (1)\ (D)$

$$D\ (\text{INCH}) = \sqrt{\frac{\text{GPMT}\ (144\ \frac{\text{IN.}^2}{\text{FT.}^2})\ (4)}{(7.48\ \frac{\text{GPM}}{\text{FT.}^3})\ (60\ \frac{\text{SEC.}}{\text{MIN.}})\ (1/2\ \frac{\text{FT.}}{\text{SEC.}})\ (\pi)}}$$

LEGEND

GPM= MAX. FLOW IN PIPE
V= DESIGN VELOCITY (FT./SEC.)
D= STANDPIPE MINIMUM INSIDE DIA. (INCHES)
GPMT= SUM OF FLOWS INTO STANDPIPE ABOVE THE VORTEX BREAKER

RECOMMENDED DESIGN DRAWING

THIS DRAWING DESCRIBES GL&V USA INC. RECOMMENDED DESIGN FOR OPTIMAL SYSTEM PERFORMANCE. THIS DRAWING SHOULD BE USED AS A GUIDELINE WHEN DEFINING THE INSTALLATION OF A NEW SYSTEM. GL&V WILL GLADLY REVIEW AND PROVIDE INPUT ON CUSTOMER'S DETAILED INSTALLATION DRAWINGS; HOWEVER, THIS DRAWING WILL NOT BE MODIFIED TO REFLECT ACTUAL PIPING/STANDPIPE DESIGN.

MADISON PAPER IND
MADISON, ME

Drawn	Scale	Size	Qty. Ordered
AFB	–	D	–
Checked	Date	FILE	
–	05/13/04	NA00027776	

Title
STANDPIPE DETAIL FOR GL&V CLP700/350 CLEANER SYSTEM

GL&V USA INC

Customer P.O. No.
4533604

Drawing No.
NA00027776-402

REV.
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