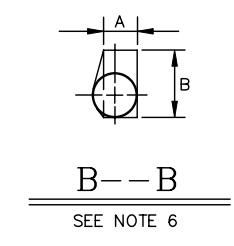
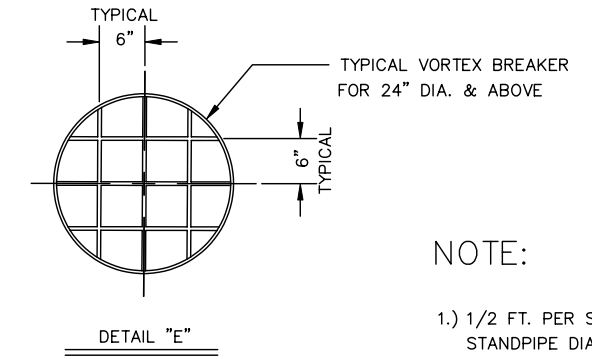
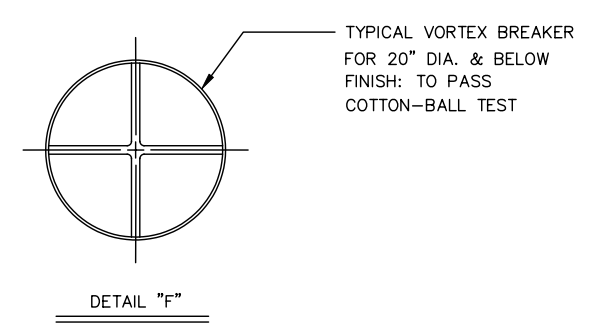
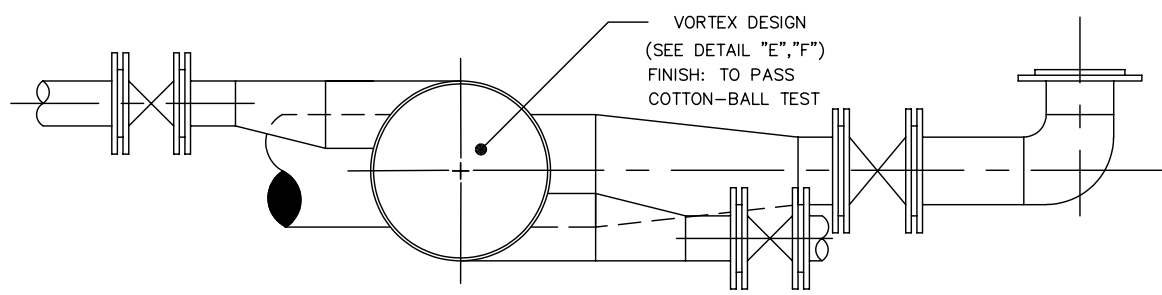
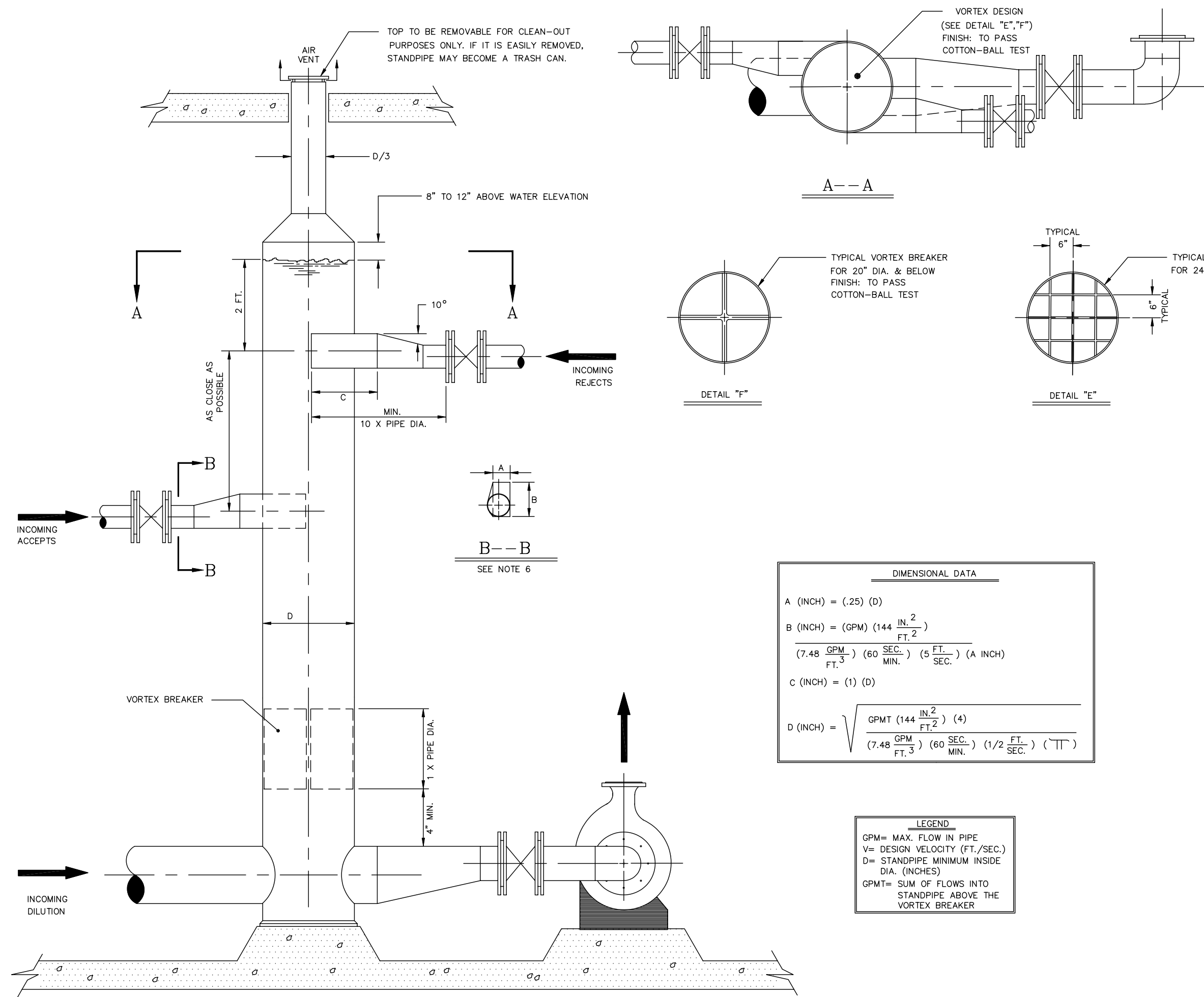


REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED



DIMENSIONAL DATA	
A (INCH)	= (.25) (D)
B (INCH)	= (GPM) $(144 \frac{\text{IN.}^2}{\text{FT.}^2})$ $(7.48 \frac{\text{GPM}}{\text{FT.}^3}) (60 \frac{\text{SEC.}}{\text{MIN.}}) (5 \frac{\text{FT.}}{\text{SEC.}}) (A \text{ INCH})$
C (INCH)	= (1) (D)
D (INCH)	= $\sqrt{\frac{\text{GPMT} (144 \frac{\text{IN.}^2}{\text{FT.}^2}) (4)}{(7.48 \frac{\text{GPM}}{\text{FT.}^3}) (60 \frac{\text{SEC.}}{\text{MIN.}}) (1/2 \frac{\text{FT.}}{\text{SEC.}}) (\"T\")}$

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

- NOTE:
- 1/2 FT. PER SECOND DOWN VELOCITY "V" FOR SIZING STANDPIPE DIAMETER.
 - 5 FT. PER SECOND VELOCITY "V" FOR SIZING PUMP SUCTION.
 - 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.
 - NEVER LOCATE VALVES RIGHT NEXT TO ENTRIES.
 - IF UNABLE TO COMPLY WITH DESIGN CRITERIA, YOUR DESIGN MUST BE APPROVED BY GL&V CELLECO.
 - THE LONG AXIS OF THE RECTANGLE A-B SHOULD BE VERTICAL. IF A IS GREATER THAN B, ROTATE THE RECTANGLE 90 DEGREES.

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.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN **INCHES**

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ANSI Y14.5 SYMBOLS		UNLESS OTHERWISE SPECIFIED, THE FOLLOWING STDS. APPLY: DIM & TOL-ANSI Y14.5. SURFACE FINISHES-ISO 1302 ALL DIM. APPLY TO FINISHED PART		NEXT ASSY.	
SYMBOL	GEOMETRY	REMOVE ALL BURRS AND SHARP CORNERS AND COUNTERSINK ALL TAPPED HOLES TO MAJOR DIAMETER		REF. DWG.	DATE
⊕	TRUE POSITION	SPECS		DRAWN	DATE
∥	FLATNESS			AFB	10/23/06
⊥	PERPENDICULARITY	TYPE	NO.	CHECKED	DATE
∥	PARALLELISM	⊕ - DIAMETER	R - RADIUS	APPROVED	DATE
∠	ANGULARITY	TYPE		DATE	
↗	RUNOUT	TOL	E-2167		
⌒	PROFILE OF A SURFACE	WELD	E-3090		
○	ROUNDNESS	THRD	E-825		
—	STRAIGHTNESS				
⊙	CONCENTRICITY				
Ⓜ	MAX MATL CONDITION				
Ⓛ	CYLINDRICITY				

TITLE	STANDPIPE DETAIL
DATE	10/23/06
DRAWING NO.	000107N70
SCALE	NONE

SIZE	C	THIRD ANGLE PROJECTION	DRAWING NO.	000107N70	REV	
SCALE	NONE	COPYRIGHT GL&V INC.	SHEET	1	OF	1

NASHUA N.H.