

# MODULAR WETLAND SYSTEMS - LINEAR UG VAULT TYPE



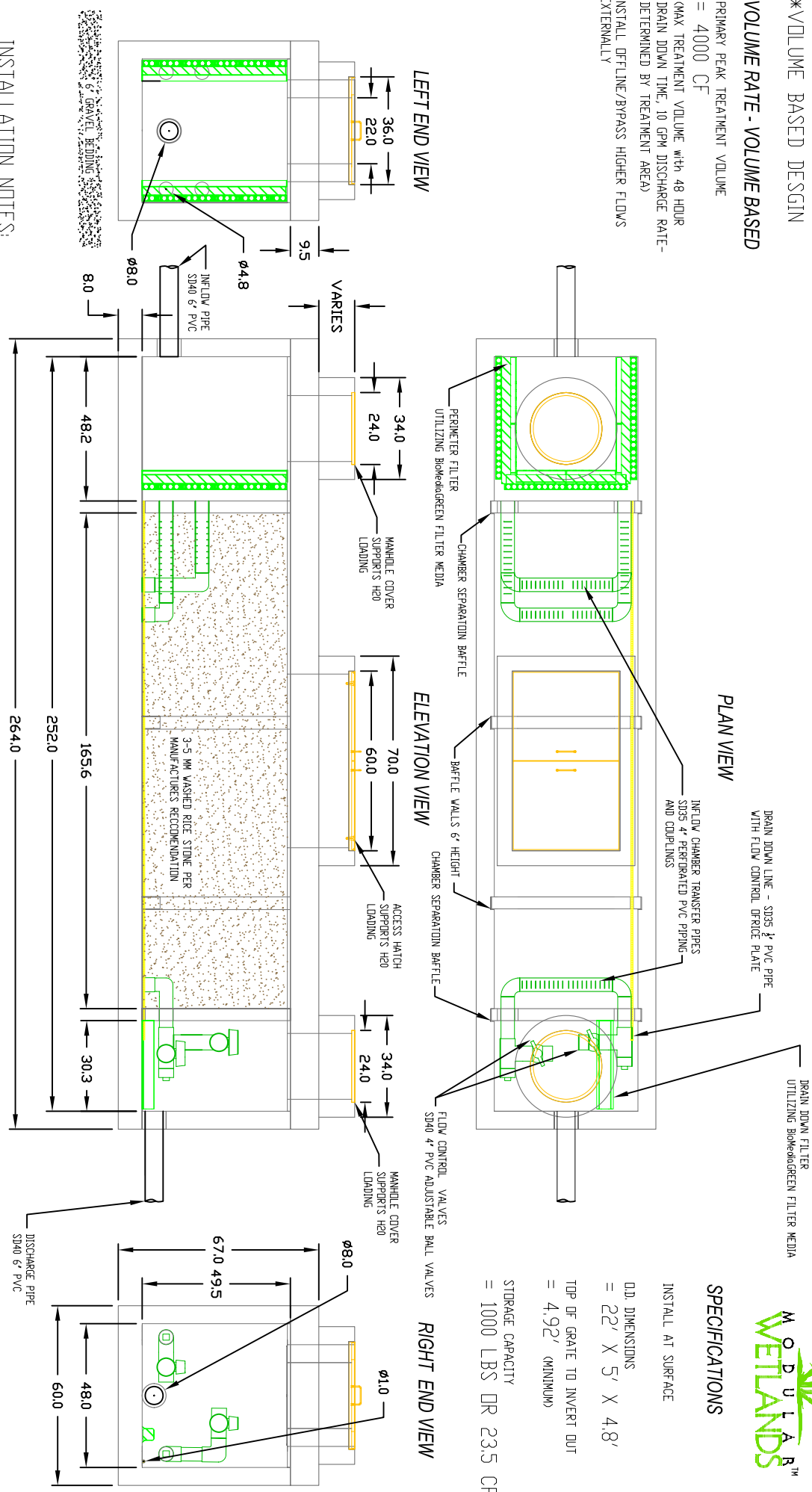
\* VOLUME BASED DESIGN

**VOLUME RATE - VOLUME BASED**

PRIMARY PEAK TREATMENT VOLUME  
= 4000 CF  
MAX TREATMENT VOLUME WITH 48 HOUR  
DRAIN DOWN TIME, 10 GPM DISCHARGE RATE -  
DETERMINED BY TREATMENT AREA -  
INSTALL OFFLINE/BYPASS HIGHER FLOWS  
EXTERNALLY

### SPECIFICATIONS

INSTALL AT SURFACE  
D.O. DIMENSIONS  
= 22' X 5' X 4.8'  
TOP OF GRATE TO INVERT OUT  
= 4.92' (MINIMUM)  
STORAGE CAPACITY  
= 1000 LBS DR 23.5 CF



### INSTALLATION NOTES:

1. INSTALL UNIT ON LEVEL BED OF GRAVEL OF AT LEAST 6" IN DEPTH
2. CONCRETE 28 DAY COMPRESSIVE STRENGTH FC=5,000 PSI.
3. REINFORCING ASTM A-615, GRADE 60.
4. SUPPORTS AN H20 LOADING AS INDICATED BY AASHTO.
5. ALL WALLS ARE 6" THICK, BAFFLES ARE 4" THICK BOTTOM 8" THICK, TOP 10" THICK.
6. JOINT SEALANT: BUTYL RUBBER SS-S-00210

### PATENT PENDING

MODULAR WETLAND SYSTEMS INC.  
P.O. BOX 869  
OCEANSIDE, CA 92049  
www.ModularWetlands.com

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DRAWN	P. Ashoff	DATE	7.23.07
EDITED			

TITLE:	MWS LINEAR - VAULT TYPE		
SIZE	DWG. NO.	REV	
A	MWS-L-V		
SCALE	1:50	UNITS = INCHES	SHEET 1 OF 1