

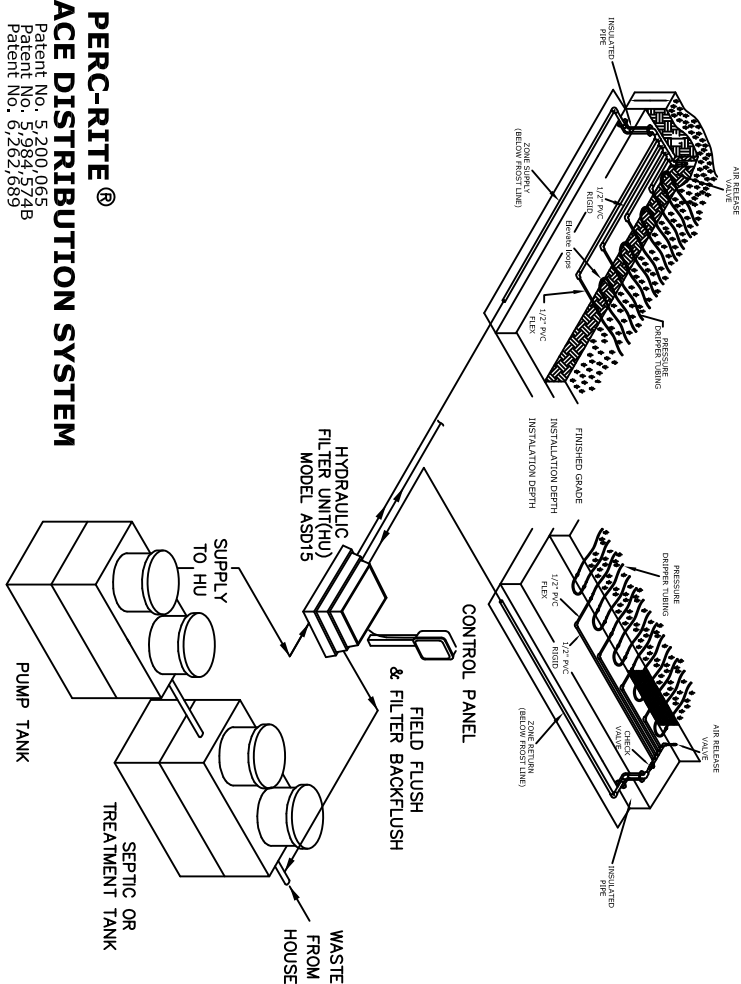
LOCATION MAP

SITE DIRECTIONS

PERC-RITE®

SUBSURFACE DISTRIBUTION SYSTEM

Patent No. 5,200,065
Patent No. 5,984,574B
Patent No. 6,262,689



SCOPE: Household Sewage will flow by gravity through a septic/treatment tank, then to a drip dispersal equalization pump tank. From the drip pump tank the effluent is filtered through 115 micron disc filters and dispersed through a drip dispersal piping network. The network is composed of pressure compensating drip tubing laid on contour and managed by the Perc-Rite® process.

has designed the drip dispersal system for the specific site in accordance with findings recommendations with the site evaluator/soils evaluator, who is the consultant for the owner. American's pre-engineered system has been selected for the site by the owners representative. American only certifies the system mechanical application for this site and makes no representation for soil suitability or other site engineering code requirements.

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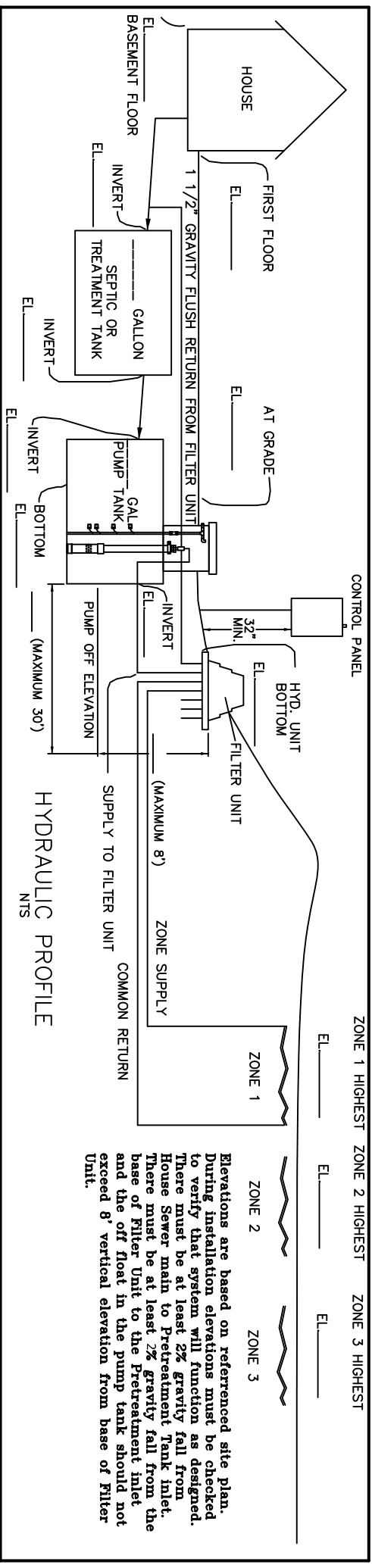
22011 GREENHOUSE RD. ELKWOOD VA 22718 www.americanonsite.com	
PROJECT NAME :	DRAFTER: DATE:
JOB NAME	CHECKED: DATE:
	APPROVED: DATE:
COUNTY :	TITLE :
COUNTY, STATE	COVER SHEET
	PERC-RITE® DRIP
	DESIGN
SCALE : NTS	SHEET: 1 OF 8

SCALE: 1" = _____'

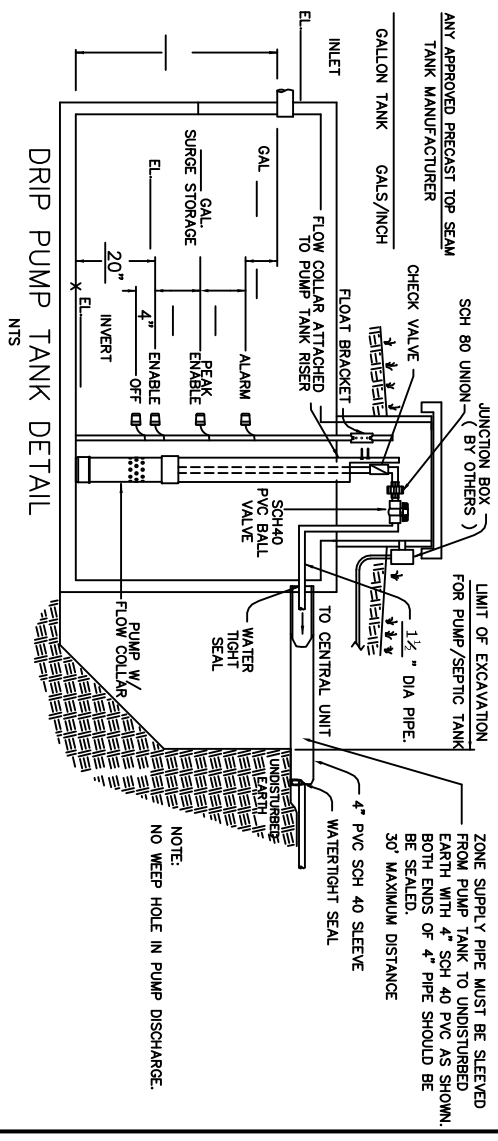


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COUNTY : COLLINS STATE	SITE LAYOUT PLAN								

SITE LAYOUT PLAN



ZONE DETAIL Z _____
(NOT TO SCALE)



NOTE: Install tubing on contour at _____" depth.
Install Supply and Return Lines at _____' (Below frost line) Minimize site activity, NO machinery on site except minimum required to install tubing.
SITE PROTECTION IS VERY IMPORTANT!

NOTE: _____Zone drip detail (Z _____) with _____ laterals, _____ tubing runs per lateral for a total of _____ tubing runs @ _____' length = _____ total LF tubing.

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	CHECKED:	DATE:	
	APPROVED:	DATE:	
JOB NAME		TITLE :	
COUNTRY :		HYDRAULIC PROFILE, DRIP & ZONE DETAILS	
COUNTY, STATE		SCALE : NTS SHEET: 3 OF 8	

AMERICAN PERC-RITE® CONTROLS

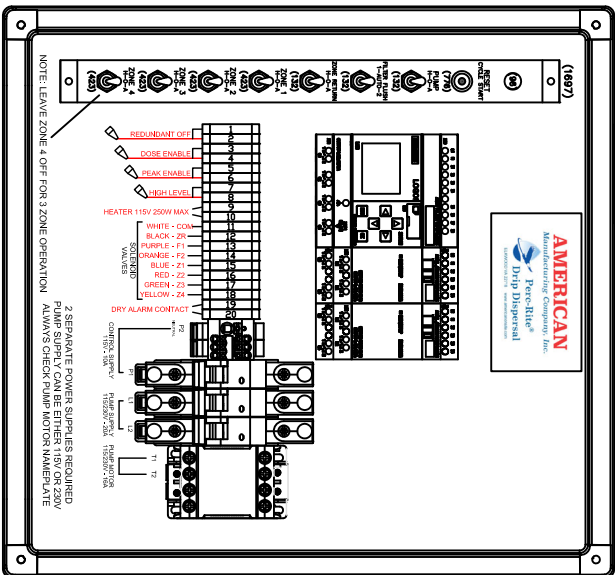
American Manufacturing Co., Inc. P.O. 97 Elkwood, VA 22718
Simplex 4 Zone PERC-RITE Drip System



AMERICAN ONSITE CONTROLS
AMERICAN MANUFACTURING COMPANY INC.
P.O. BOX 97 ELKWOOD, VA 22718
(800) 345-3132
www.americanon-site.com

TORQUE SETTINGS			
ITEM	SIZE	TORQUE	UNIT
FLANGE	1/2"	10-15	FT LBS
FLANGE	3/4"	15-20	FT LBS
FLANGE	1"	20-25	FT LBS
FLANGE	1 1/4"	25-30	FT LBS
FLANGE	1 1/2"	30-35	FT LBS
FLANGE	2"	40-45	FT LBS

ALL POWER SUPPLY
PROVIDED BY OTHERS



INSTALLATION NOTES:
1. READ ALL INSTRUCTIONS AND MANUALS BEFORE ATTEMPTING TO INSTALL ANY CONTROL.
2. VERIFY ALL WIRING CONNECTIONS, INCLUDING ALL WIRING OPTIONS THAT MAY BE AVAILABLE.
3. VERIFY ALL WIRING CONNECTIONS, INCLUDING ALL WIRING OPTIONS THAT MAY BE AVAILABLE.
4. VERIFY ALL WIRING CONNECTIONS, INCLUDING ALL WIRING OPTIONS THAT MAY BE AVAILABLE.
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9. VERIFY ALL WIRING CONNECTIONS, INCLUDING ALL WIRING OPTIONS THAT MAY BE AVAILABLE.
10. VERIFY ALL WIRING CONNECTIONS, INCLUDING ALL WIRING OPTIONS THAT MAY BE AVAILABLE.



4 ZONE DRIP CONTROL SYSTEM			
MODEL	DP024-SAB12-A-LR(A)(21,34)	1 PHASE, 115/230V, 60/50 Hz	
TYPE	X9510-4Z		
DATE	08/01/2005	2005/07/27	MPH
REVISION			
SCALE			
SIZE			

COOL GUIDE

FLOW COLLAR (COOL GUIDE)

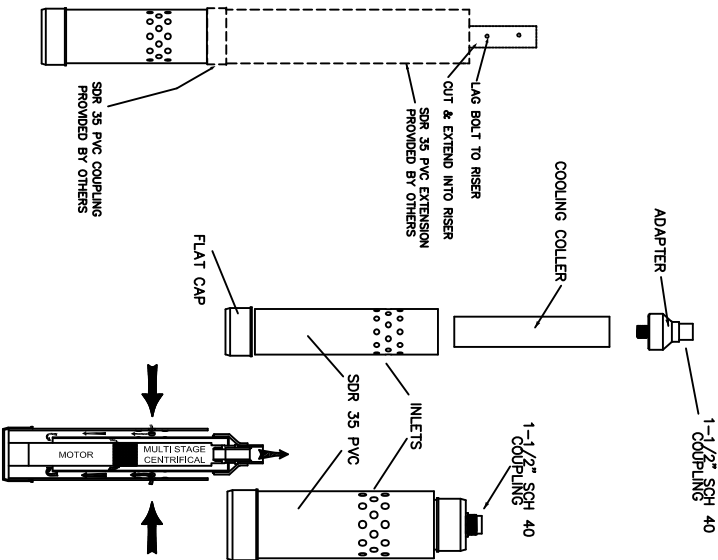
SPECIFICATION

The laminar flow collar shall be made of non-corrosive, glueable PVC and have sufficient holes in the outer guide tube to assure laminar flow for the rated capacity. The inner flow collar shall extend near the bottom to provide sufficient cooling flow for the motor. The dimension between the inner collar and the pump motor shall not restrict flow to the pump intake, but will provide for scouring of surfaces. The laminar flow collar shall be a "Cool Guide" as manufactured by American Manufacturing Company, Inc. Patent # 6,262,689.

"COOL GUIDE"

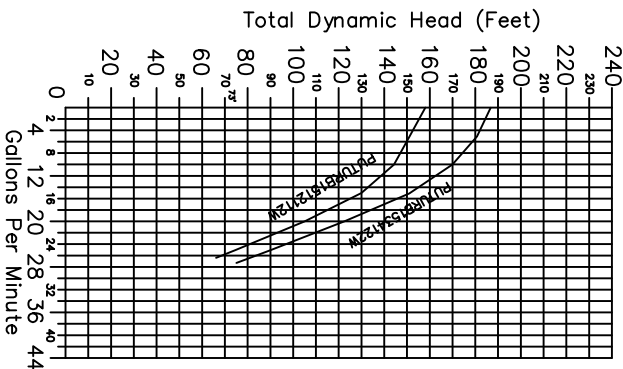
INSTALLATION INSTRUCTIONS

1. Measure the distance from the bottom of the tank to 6" down from the top of the riser. Cut the extension pipe (by others) to the length necessary to reach this height. Cut 1/2" of the pipe down 12" to 18" away from the top of the pipe for pump discharge pipe.
2. Glue the extension coupling (by others) to the extension pipe and to the Cool Guide.
3. For repairs, glue on the Cool Guide flat cap and place the Cool Guide firmly in the extension pipe.
4. For new construction: Anchor the flat cap to the bottom of the tank in the proper location to hold Cool Guide and extension. The cap may or may not be glued to the device. Attach the extension to the riser with the anchors as shown.
5. Place the pipe dope on the Cool Guide adapter threads and thread them into pump discharge.
6. Attach cooling collar to adapter with set screw provided.
7. Glue pipe into flow collar and with pump attached, lower into the guide tube.
8. Attach to discharge pipe, valves, and connect electrical as specified.



PUMP CURVE

15 GPM



PUTURB151212W 1 1/2HP, 115V, 1PH, 2WIRE
PUTURB1512122W 1 1/2HP, 230V, 1PH, 2WIRE
PUTURB1534122W 3/4HP, 230V, 1PH, 2WIRE
15 GPM @ 125 FT
BACKWASH TDH

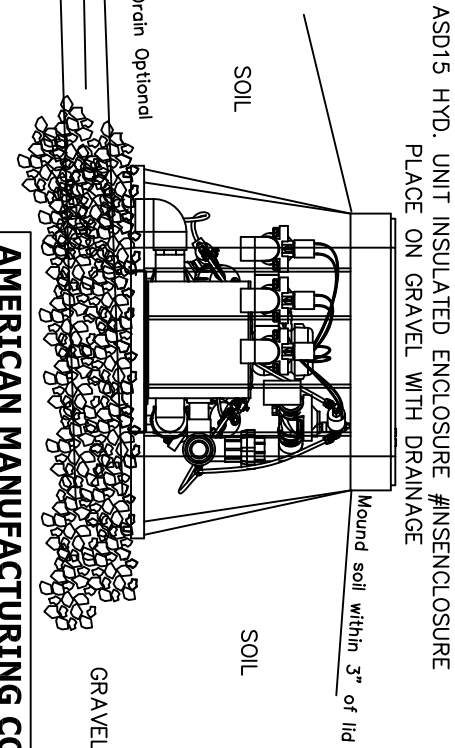
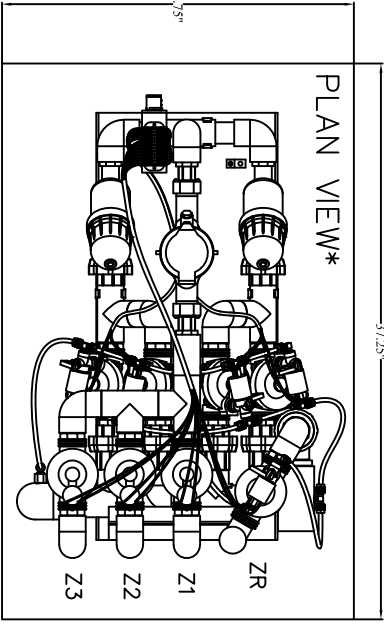
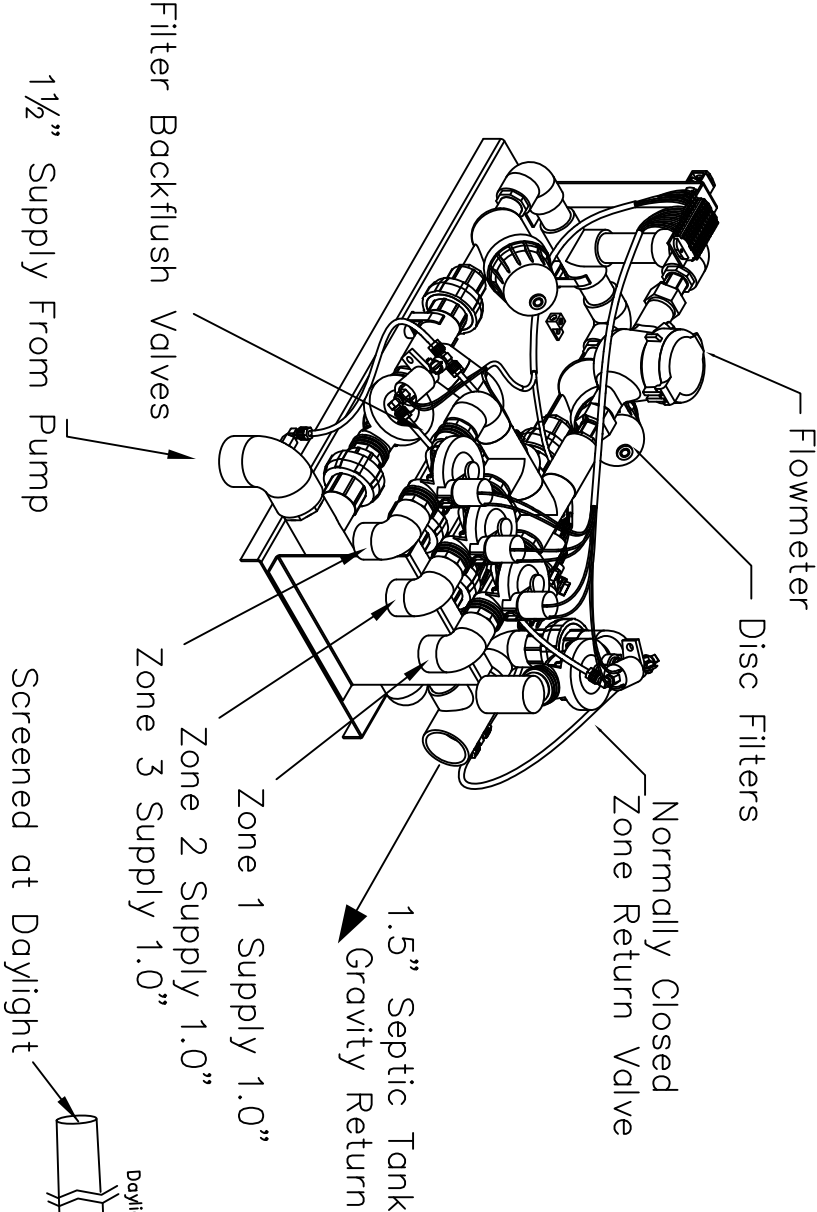
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PROJECT NAME :	DRAWER:	DATE:
JOB NAME	CHECKED:	DATE:
COUNTRY :	TITLE :	
COUNTRY, STATE	CONTROL, COOL GUIDE & PUMP CURVE DETAILS	
SCALE : NTS	SHEET: 4 OF 8	

STANDARD PERC-RITE HYD. UNIT DETAILS

AMERICAN MFG. COMPANY TWO-FILTER – 15 GPM
HYDRAULIC UNIT

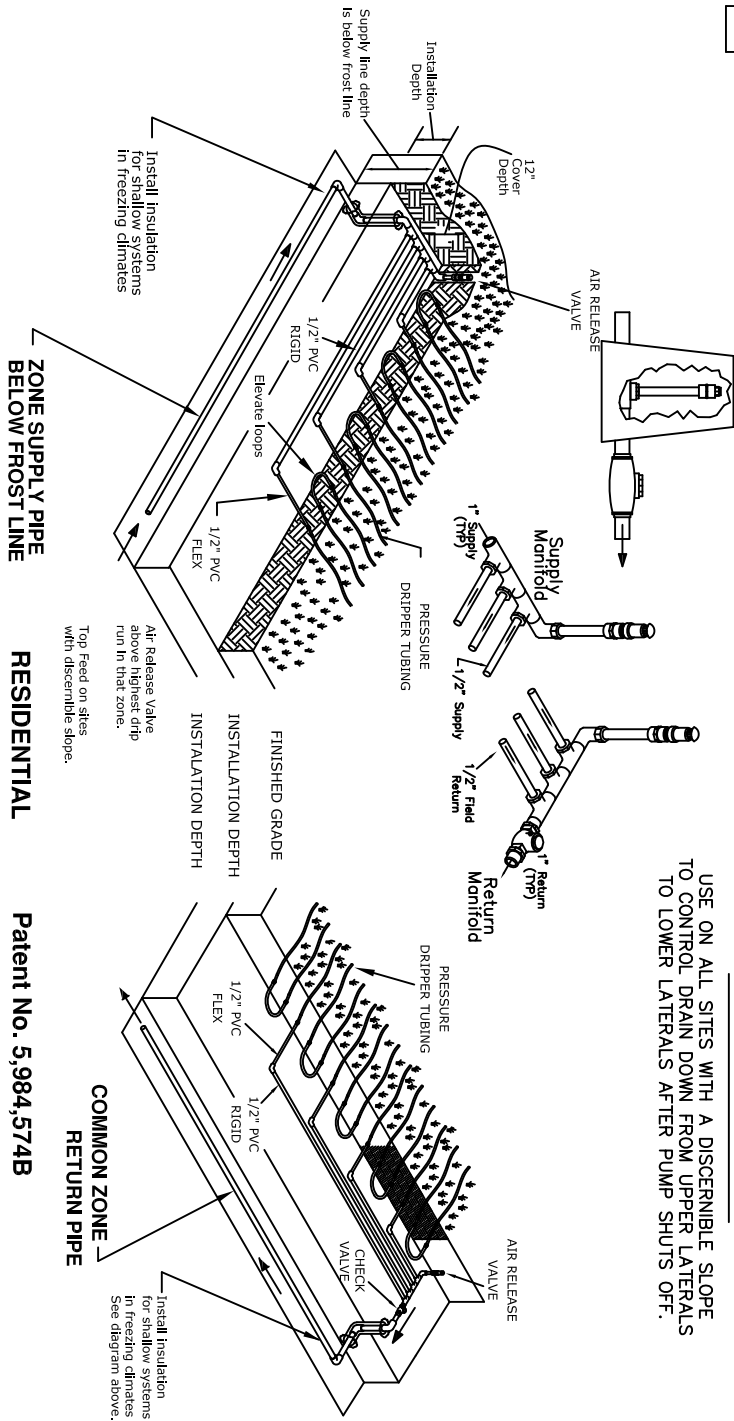


ASD15 & WD15 Hydraulic units to be placed on a bed of gravel for drainage.
If ponding or groundwater is a possibility, a screened drain to daylight is required beneath hydraulic unit.

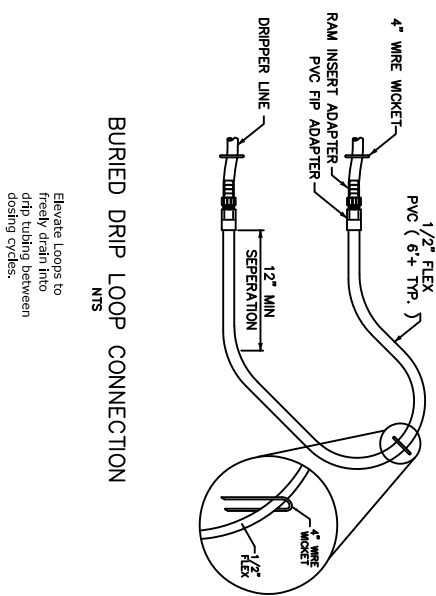
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PROJECT NAME :	DRAFTER: DATE:
JOB NAME	CHECKED: DATE:
	APPROVED: DATE:
COUNTRY :	TITLE :
COUNTY, STATE	DRIP HYDRAULIC UNIT DETAILS
SCALE : NTS	SHEET: 5 OF 8

STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

1



2



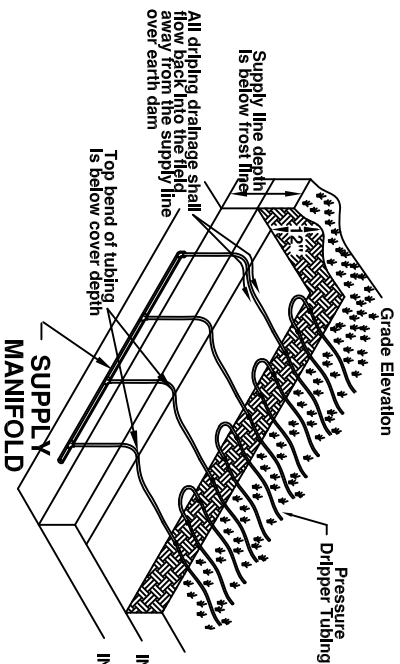
Tubing and Supply Pipe Installation:

1. All tubing shall be installed along the site contour (each pull of drip tubing to follow grade).
2. All PVC pipe and fittings shall be PVC SCH 40 Type 1 rated for pressure applications.
3. All glued joints shall be cleaned, deburred and primed with colored (dyed) PVC primer prior to being glued.
4. All cutting of PVC pipe, flexible PVC and dripper tubing of size 1/2" or smaller shall be accomplished with ratcheting or powered blade type pipe cutters approved by American Manufacturing Co., Inc. **No sawing of PVC, flexible PVC or dripper tubing of size 1/2" or smaller allowed.**
5. All PVC pipes, flexible PVC and dripper tubing in the work area shall have the ends covered with duct tape prior to final gluing to prevent construction debris from entering the pipe. Prior to gluing, all joints shall be inspected for and cleared of any construction debris. Pipe must be clear of debris, gravel, dirt, etc.
6. Drip supply and return lines and manifolds to be installed at adequate depth to prevent freezing.
7. Drip manifolds must be installed according to design for proper air and vacuum release functions.
8. Horizontal spacing between the dripper lines and the installation depth to be as specified in design.
9. All force mains shall be flushed and tested for leaks during system startup. Uncovered force mains shall be visibly inspected for leaks.

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PROJECT NAME :	DRAFTER: DATE:
JOB NAME	CHECKED: DATE:
	APPROVED: DATE:
COUNTRY :	TITLE :
COUNTY, STATE	DRIP DETAIL SCHEMATICS
SCALE : NTS	SHEET: 6 OF 8

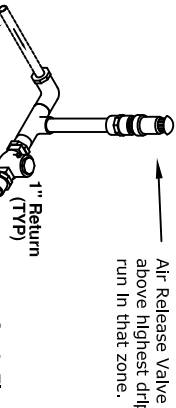
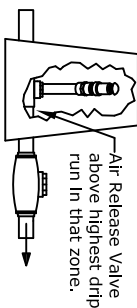
1

SIDE FEED MANIFOLD
SITES WITH NO DISCERNIBLE SLOPE



STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

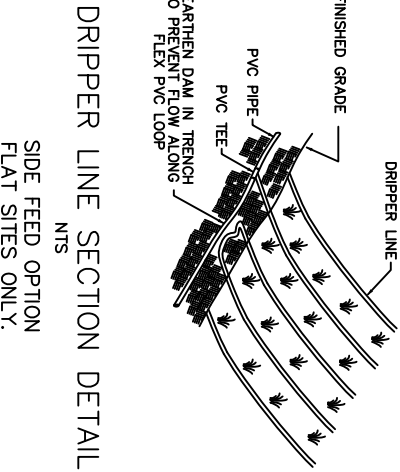
RETURN DETAIL



COMMON
RETURN PIPE

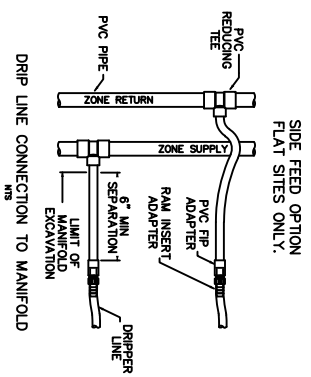
- Tubing and Supply Pipe Installation:**
1. All tubing shall be installed along the site contour (each pull of drip tubing to follow grade).
 2. All PVC pipe and fittings shall be PVC SCH 40 Type 1 rated for pressure applications.
 3. All glued joints shall be cleaned, deburred and primed with colored (dyed) PVC primer prior to being glued.
 4. All cutting of PVC pipe, flexible PVC and dripper tubing of size 1 1/2" or smaller shall be accomplished with ratcheting or powered blade type pipe cutters approved by American Manufacturing Co., Inc. **No sawing of PVC, flexible PVC or dripper tubing of size 1 1/2" or smaller allowed.**
 5. All PVC pipes, flexible PVC and dripper tubing in the work area shall have the ends covered with duct tape prior to final gluing to prevent construction debris from entering the pipe. Prior to gluing, all joints shall be inspected for and cleaned of any construction debris. Pipe must be clear of debris, gravel, dirt, etc.
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2

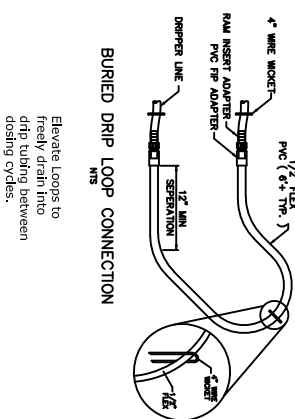


DRIPPER LINE SECTION DETAIL
SIDE FEED OPTION
FLAT SITES ONLY.

3



4



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PROJECT NAME :	DRAWN BY :
CHECKED :	DATE :
APPROVED :	DATE :
TITLE : DRIP DETAIL SCHEMATICS	
COUNTRY :	SCALE : NTS SHEET: OF