

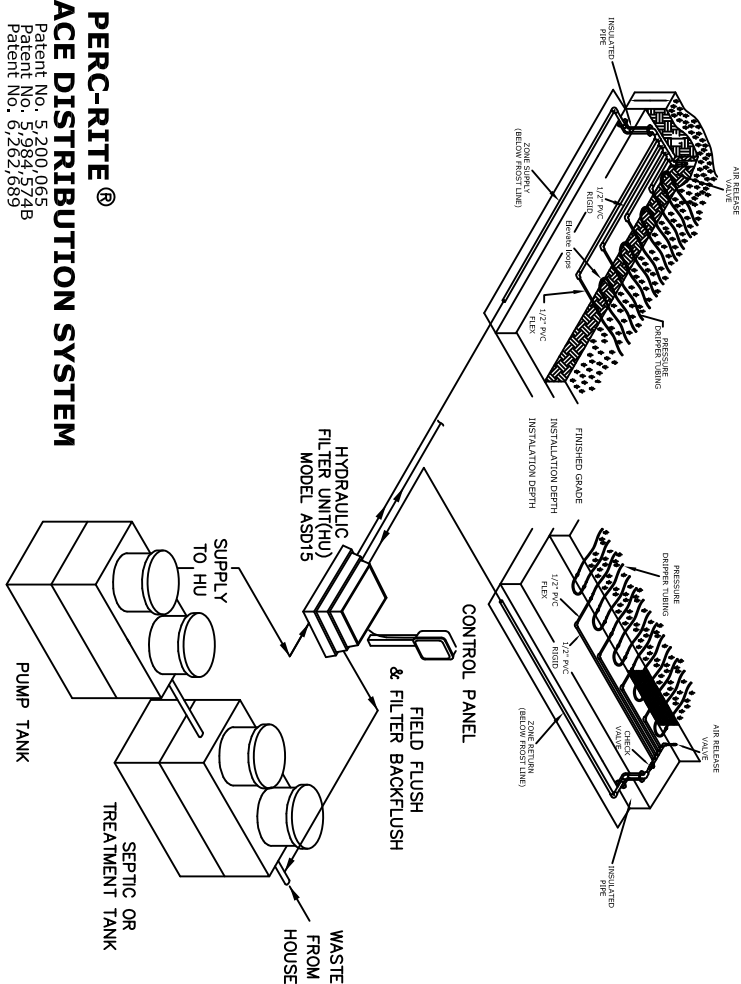
LOCATION MAP

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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- Page 4 Control Details, Pump Curve, & Cool Guide
- Page 5 Drip Hydraulic Unit Details
- Page 6 Drip Detail Schematics
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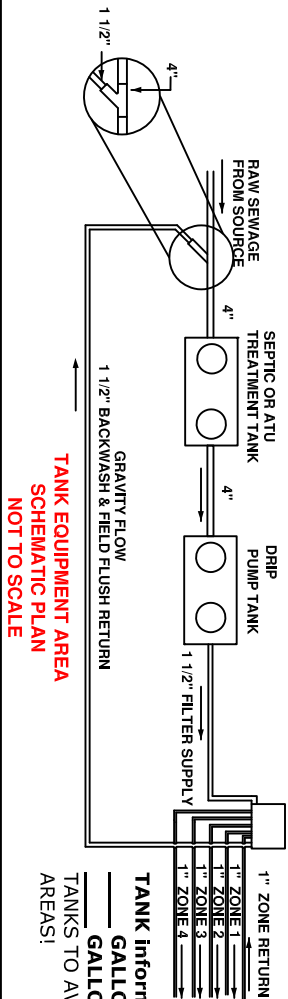
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PROJECT NAME :	DRAFTER:	DATE:
JOB NAME	CHECKED:	DATE:
COUNTY :	APPROVED:	DATE:
COUNTY, STATE	TITLE :	
COVER SHEET		
PERC-RITE® DRIP		
DESIGN		
SCALE : NTS	SHEET: 1 OF 8	

SITE PLAN (SYSTEM LAYOUT SKETCH)

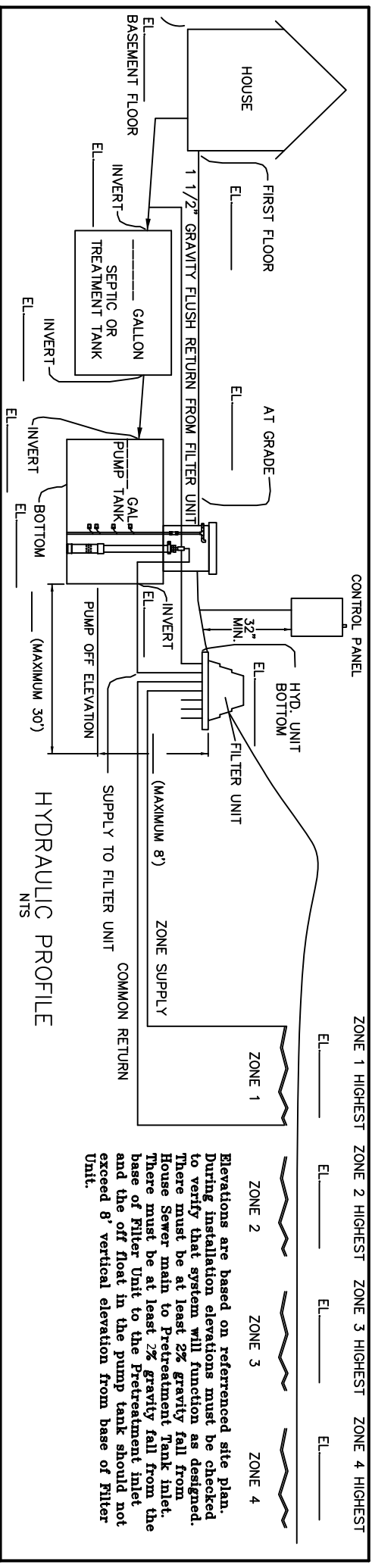
SCALE: 1" = _____'±



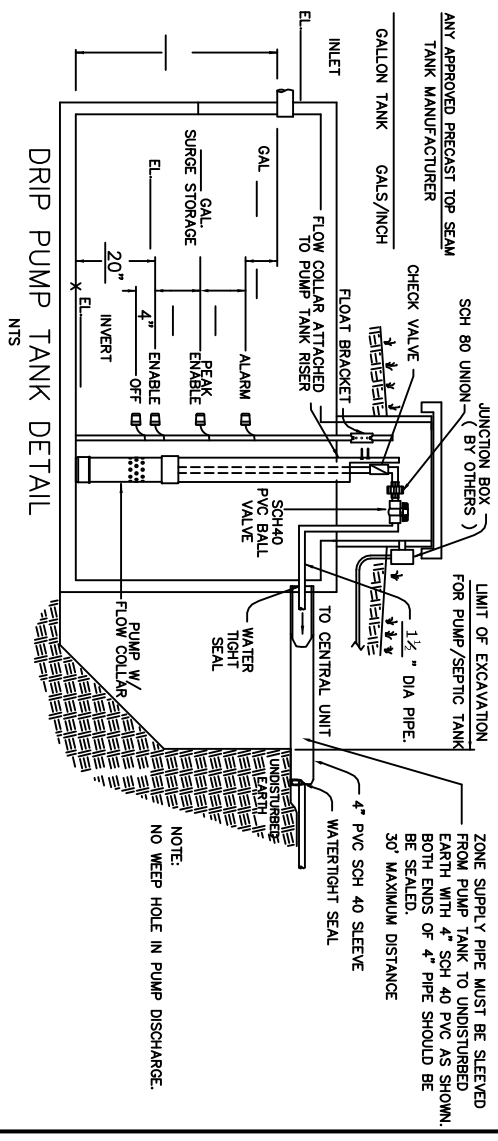
TANK Information:

_____ GALLON _____ TANK,
GALLON DRIp PUMP TANK, INSTALL
TANKS TO AVOID SWALES OR LOW LYING
AREAS!

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COUNTY :		APPROVED:	DATE:
COUNTY, STATE		TITLE :	
SITE LAYOUT PLAN		SHEET: 2 OF 8	



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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TITLE :		HYDRAULIC PROFILE, DRIP & ZONE DETAILS	
COUNTY :	COUNTY, STATE	SCALE :	SHEET: 3 OF 8

AMERICAN PERC-RITE® CONTROLS

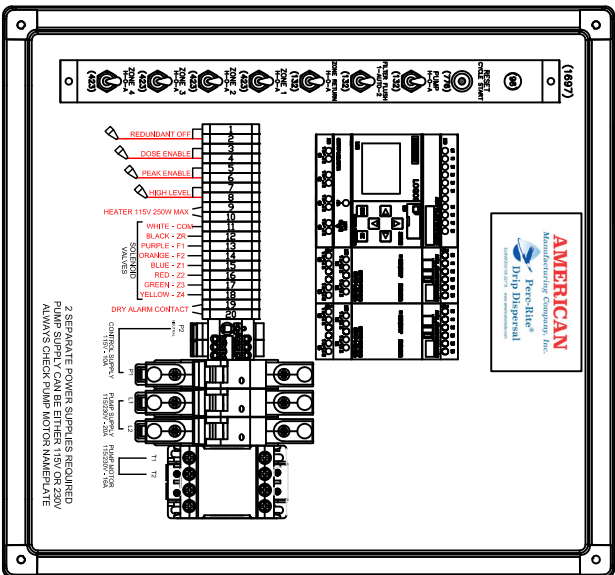
American Manufacturing Co., Inc. P.O. 97 Elkwood, VA 22718
Simplex 4 Zone PERC-RITE Drip System



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

TORQUE SETTINGS			
TERMINAL	WIRE SIZE	TORQUE	TERMINAL
FIELD 1	14-18 AWG	1/2 LB IN	FIELD 2
FIELD 3	14-18 AWG	1/2 LB IN	FIELD 4

FIELD POWER SUPPLY
PROTECTED BY OTHERS



4 ZONE DRIP CONTROL SYSTEM
INSTALLATION GUIDE FOR SDR 35 SERIES CONTROL
1 PHASE, 115/230V, 60/50 Hz

MODEL: DP024-SAB12-A-LR(A)(21,34)
TYPE: X9510-4Z

DATE: 08/01/2005
REVISED BY: MPH

REVISION: 1

UL US LISTED

AMERICAN MANUFACTURING COMPANY, INC.

COOL GUIDE

FLOW COLLAR (COOL GUIDE)

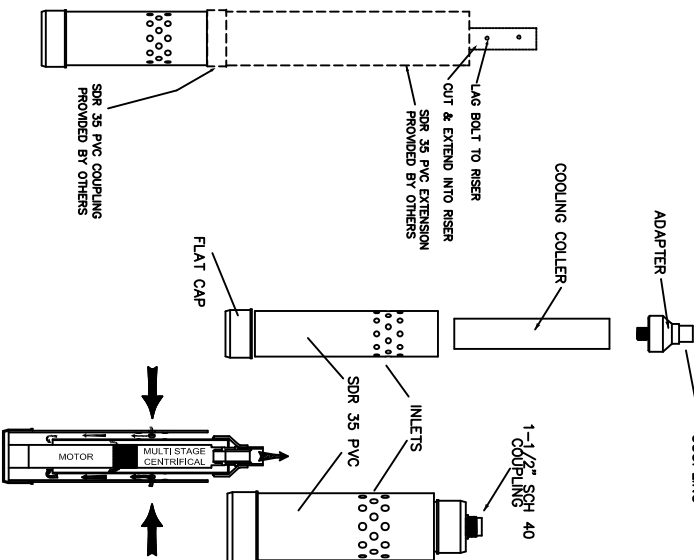
SPECIFICATION

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

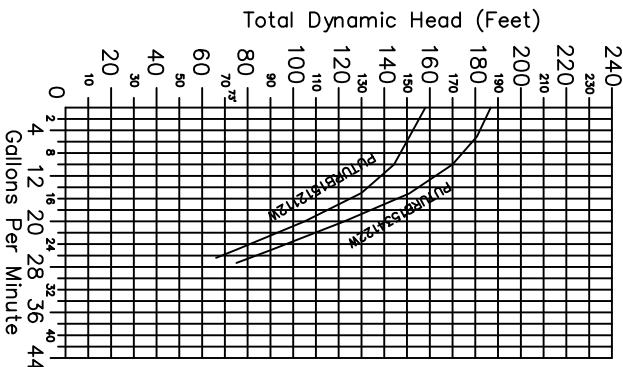
- Measure the distance from the bottom of the tank to 6" down from the top of the riser. Cut the extension pipe (by others) to the length necessary to reach this height. Cut 1/2" of the pipe down 12" to 18" away from the top of the pipe for pump discharge pipe.
- Glue the extension coupling (by others) to the extension pipe and to the Cool Guide.
- For repairs, glue on the Cool Guide flat cap and place the Cool Guide firmly in the extension pipe.
- 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.
- Place the cooling collar on the Cool Guide adapter threads and thread them into pump discharge.
- Attach cooling collar to adapter with set screw provided.
- Glue pipe into flow collar and with pump attached, lower into the guide tube.
- Attach to discharge pipe, valves, and connect electrical as specified.



Cool Guide
Patent No. 6,262,689

PUMP CURVE

15 GPM



15 GPM @ 125 FT
BACKWASH TDH

PUTURB1512112W 1/2HP, 115V, 1PH, 2WIRE
PUTURB1512122W 1/2HP, 230V, 1PH, 2WIRE
PUTURB1534122W 3/4HP, 230V, 1PH, 2WIRE

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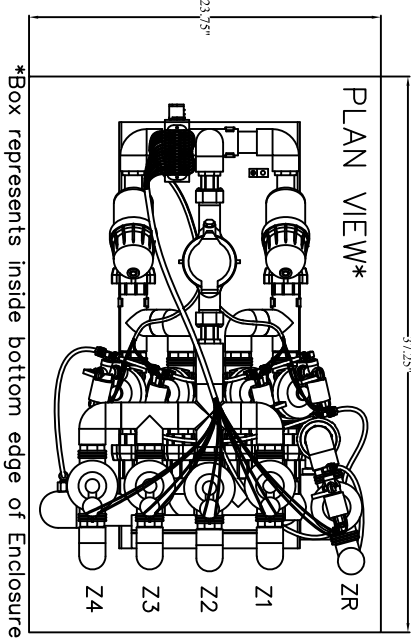
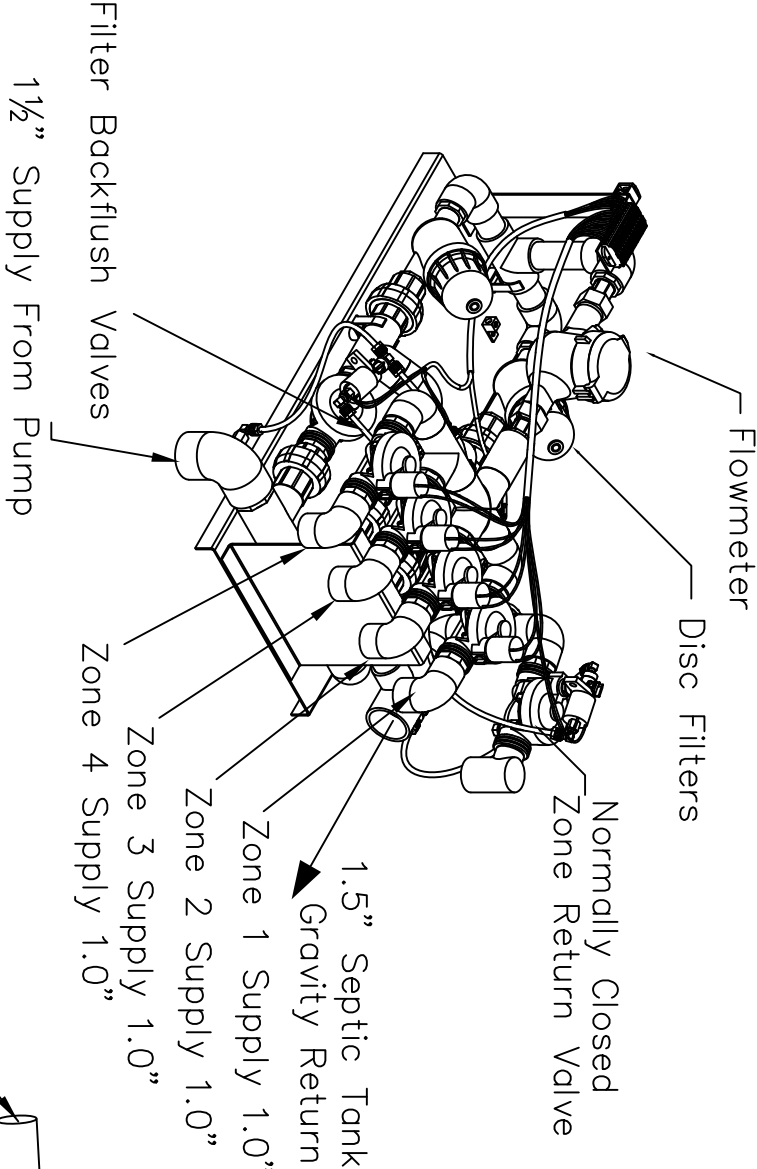
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SHEET: 4 OF 8

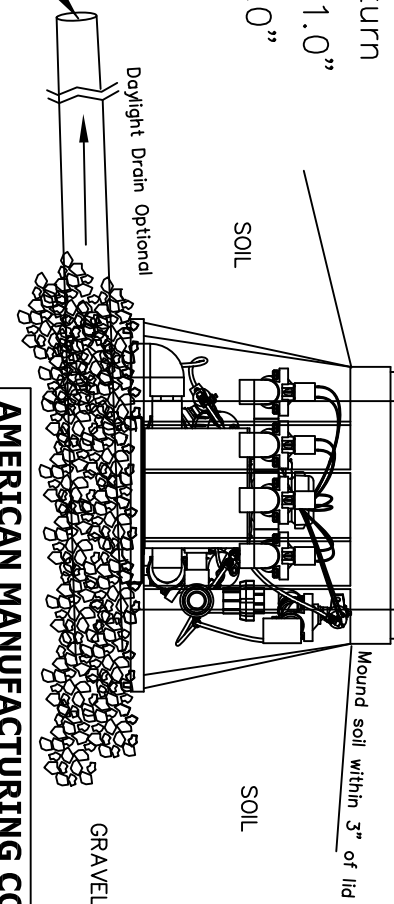
DRAWER: DATE:
CHECKED: DATE:
APPROVED: DATE:
TITLE :
CONTROL, COOL
GUIDE & PUMP
CURVE DETAILS

STANDARD PERC-RITE HYD. UNIT DETAILS

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



ASD15 HYD. UNIT INSULATED ENCLOSURE #INSENCLOSURE
PLACE ON GRAVEL WITH DRAINAGE

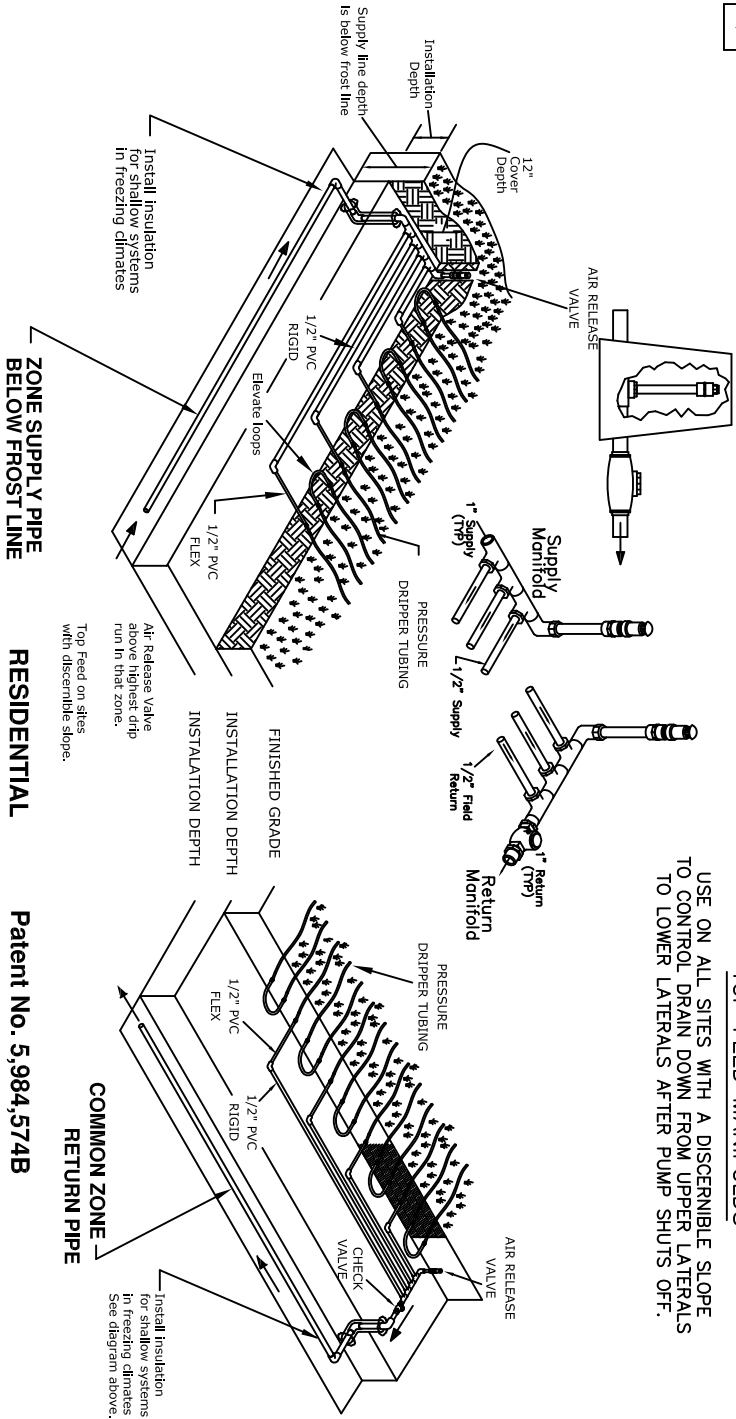


ASD15 & WD15 Hydraulic units to be placed on a bed of gravel for drainage.
If ponding or groundwater is a possibility, a screened drain to daylight is required beneath hydraulic unit.

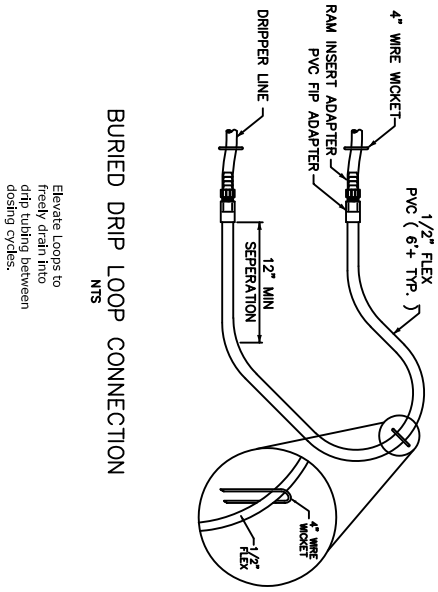
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PROJECT NAME :	DRAFTER: DATE:
JOB NAME	CHECKED: DATE:
	APPROVED: DATE:
TITLE :	
COUNTRY :	DRIP HYDRAULIC UNIT DETAILS
COUNTY, STATE	
SCALE : NTS	SHEET: 5 OF 8

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 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 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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CHECKED: DATE:

APPROVED: DATE:

JOB NAME

TITLE :

COUNTY :

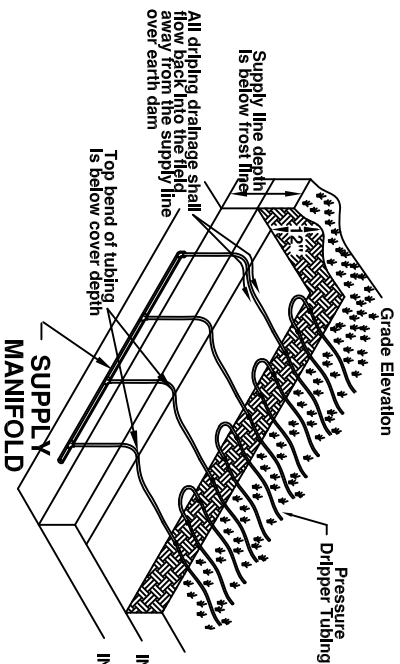
COUNTY, STATE

DRIP DETAIL
SCHEMATICS

SCALE : NTS SHEET: 6 OF 8

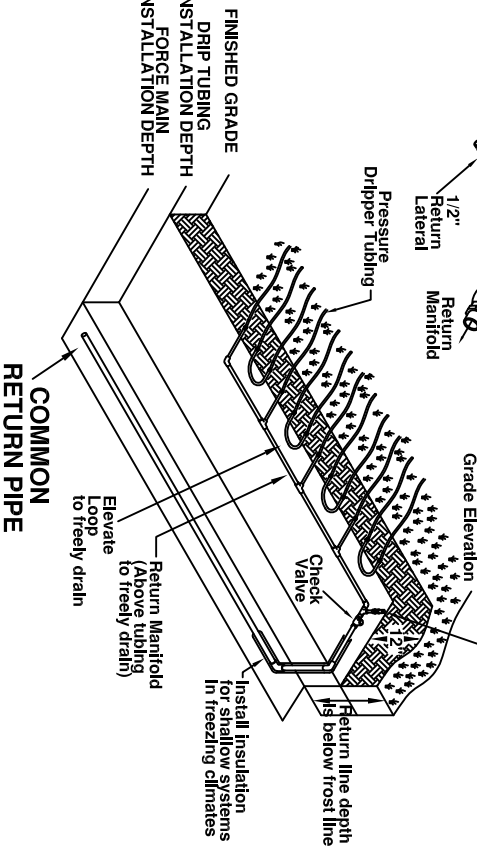
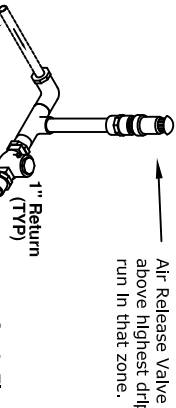
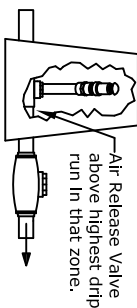
1

SIDE FEED MANIFOLD
SITES WITH NO DISCERNIBLE SLOPE



STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

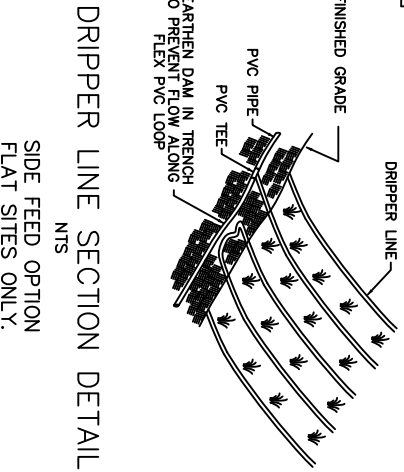
RETURN DETAIL



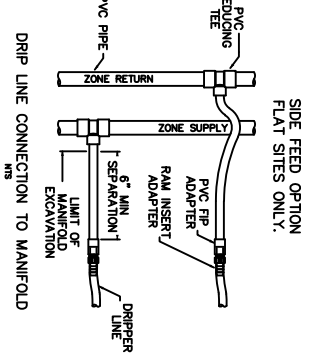
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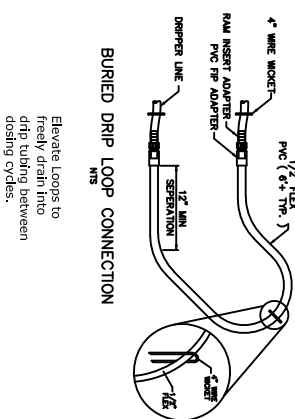
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3



4



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