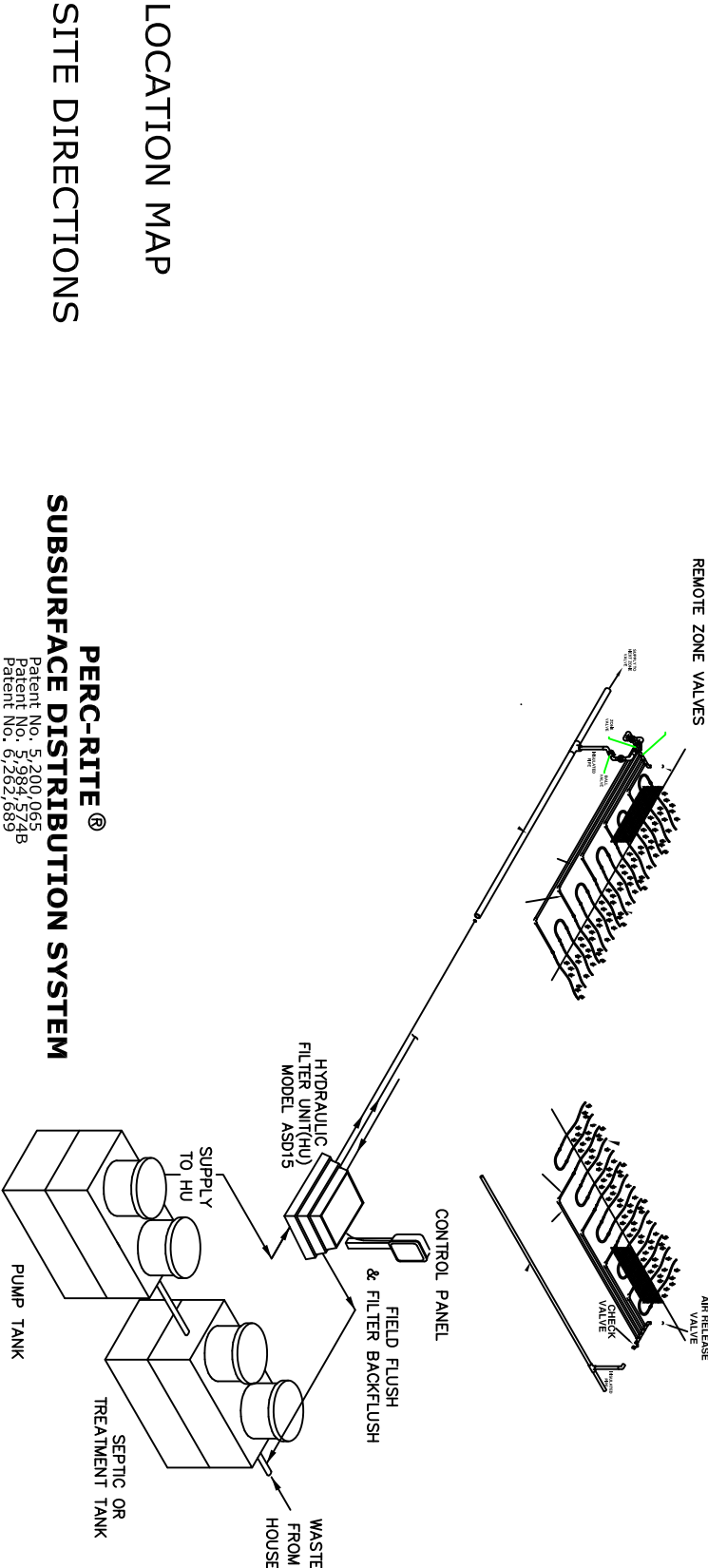




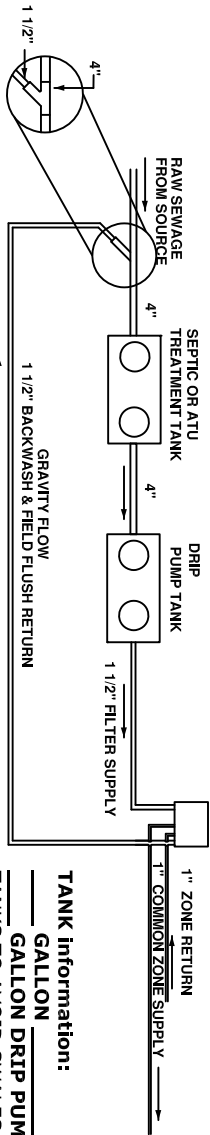
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|                                                                                                          |                 |       |  |
|----------------------------------------------------------------------------------------------------------|-----------------|-------|--|
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|                                                                                                          | APPROVED:       | DATE: |  |
| COUNTY :                                                                                                 | TITLE :         |       |  |
| COUNTY, STATE                                                                                            | COVER SHEET     |       |  |
|                                                                                                          | PERC-RITE® DRIP |       |  |
|                                                                                                          | DESIGN          |       |  |
| SCALE : NTS                                                                                              | SHEET: 1 OF 8   |       |  |

SITE PLAN (SYSTEM LAYOUT SKETCH)

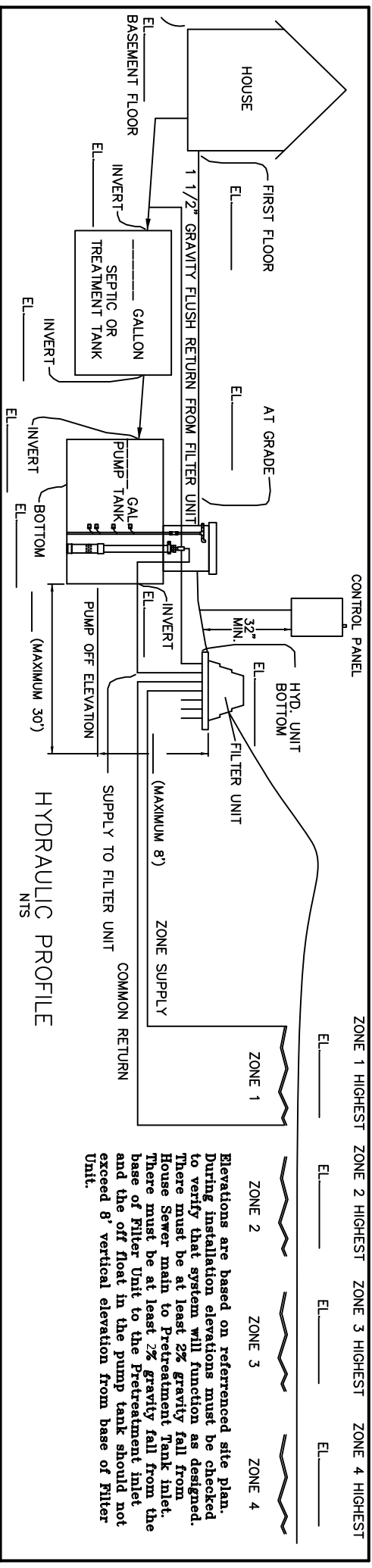
SCALE: 1" = \_\_\_\_\_'±



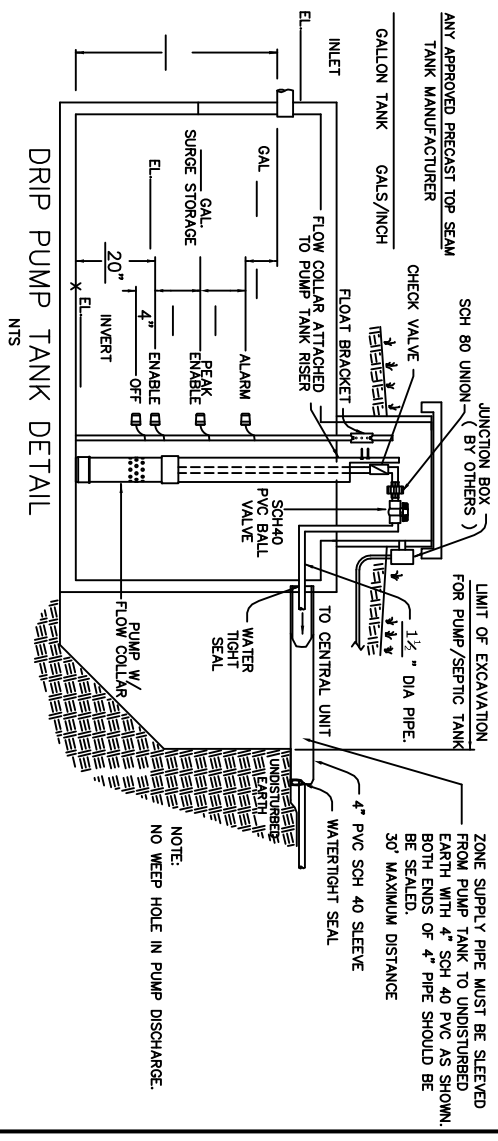
TANK EQUIPMENT AREA  
SCHEMATIC PLAN  
NOT TO SCALE

TANK Information:  
\_\_\_\_\_ GALLON \_\_\_\_\_ TANK,  
\_\_\_\_\_ GALLON DRIIP PUMP TANK, INSTALL  
TANKS TO AVOID SWALES OR LOW LYING  
AREAS!

|                                                           |  |                  |               |
|-----------------------------------------------------------|--|------------------|---------------|
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|                                                           |  | TITLE :          |               |
| COUNTRY :                                                 |  | SITE LAYOUT PLAN |               |
| COUNTY, STATE                                             |  | SCALE :          | 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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| CHECKED:                                                  | DATE:         |                                        |               |
| APPROVED:                                                 | DATE:         |                                        |               |
| TITLE :                                                   |               | HYDRAULIC PROFILE, DRIP & ZONE DETAILS |               |
| COUNTY :                                                  | COUNTY, STATE | SCALE : NTS                            | SHEET: 3 OF 8 |

# AMERICAN PERC-RITE® CONTROLS

American Manufacturing Co., Inc. P.O. Box 97 Elkwood, VA 22718

Simplex 1-4 Zone PERC-RITE Drip System with Remote Zone Valves



## AMERICAN ONSITE CONTROLS

AMERICAN MANUFACTURING COMPANY, INC.

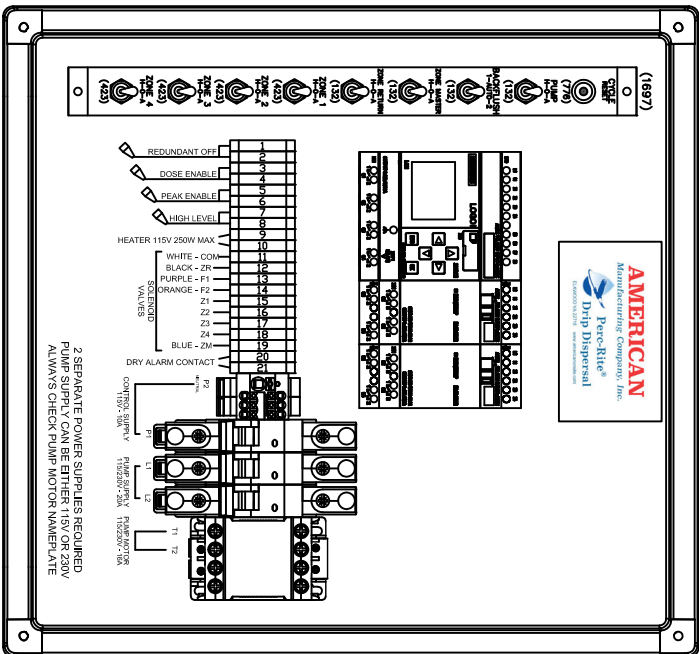
P.O. BOX 97 ELKWOOD, VA 22718

(800) 345-3132

WWW.AMERICANONSITE.COM

ALL POWER SUPPLY  
PROVIDED BY OTHERS

| TORQUE SETTINGS |           |              |       |
|-----------------|-----------|--------------|-------|
| TERMINAL        | WIRE SIZE | SOFT FEET LB | FT LB |
| 1-12            | 10-12 AWG | 10-15        | 1-1.5 |
| 13-14           | 10-12 AWG | 10-15        | 1-1.5 |



- INSTALLATION NOTES:
- PLEASE REVIEW ALL PAGES AND INSTRUCTIONS IN THIS MANUAL BEFORE ATTEMPTING TO INSTALL ANY CONTROL.
  - WIRING MUST BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL CODES.
  - WIRING MUST BE DONE BY A QUALIFIED ELECTRICIAN.
  - WIRING MUST BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL CODES.
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| 4 ZONE DRIP CONTROL SYSTEM |                            |             |           |
|----------------------------|----------------------------|-------------|-----------|
| MODEL                      | DRIP24-SAB124-AL1R(X)21.34 | GROUP       | X9510-42M |
| DATE                       | 09/20/24                   | DESIGNED BY | MPH       |
| APPROVED                   |                            | DATE        |           |

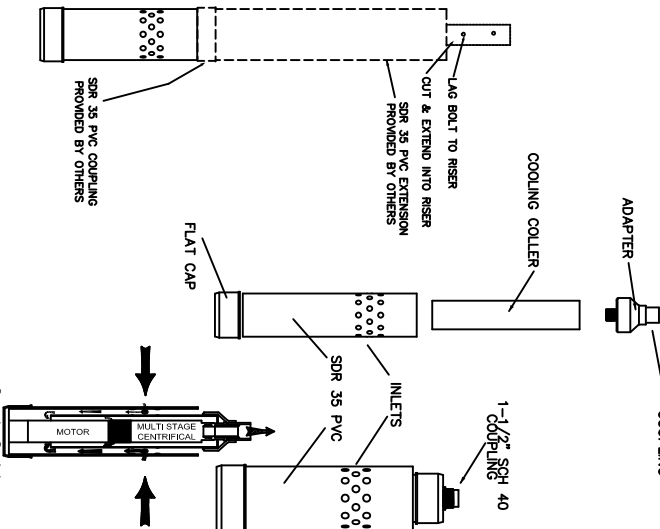
## COOL GUIDE

### FLOW COLLAR (COOL GUIDE) SPECIFICATION

The laminar flow collar shall be made of non-corrosive, glueable PVC and have sufficient length to extend from the bottom of the pump intake to the pump outlet. 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.

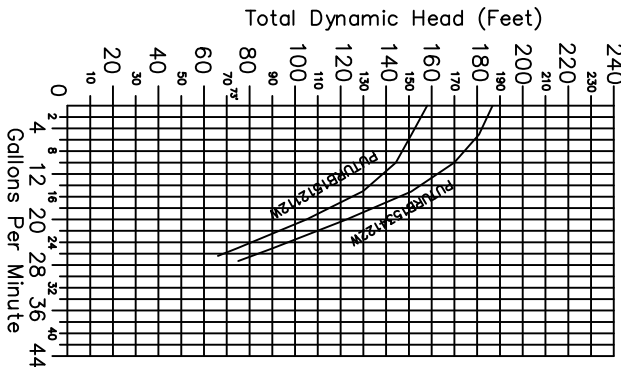
### "COOL GUIDE" INSTALLATION INSTRUCTIONS

- 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 repair: glue on the Cool Guide flat cap and place the Cool Guide firmly in the tank.
- For new construction: Anchor the flat cap to the bottom of the tank in the proper location for the pump motor. The Cool Guide should be anchored to the bottom of the tank.
- Place the pipe dope on the Cool Guide adapter threads and thread them into pump discharge.
- Attach the pipe into flow collar and with pump attached, lower into the device. Attach the extension to the riser with the anchors as shown, and glue the extension to the riser.
- Attach to discharge pipe, valves, and connect electrical as specified.



## PUMP CURVE

15 GPM



PUTURB151212W 1/2HP, 115V, 1PH, 2WIRE  
PUTURB151212W 1/2HP, 230V, 1PH, 2WIRE  
PUTURB153412W 3/4HP, 230V, 1PH, 2WIRE  
15 GPM @ 125 FT  
BACKWASH TDH

## AMERICAN MANUFACTURING CO.

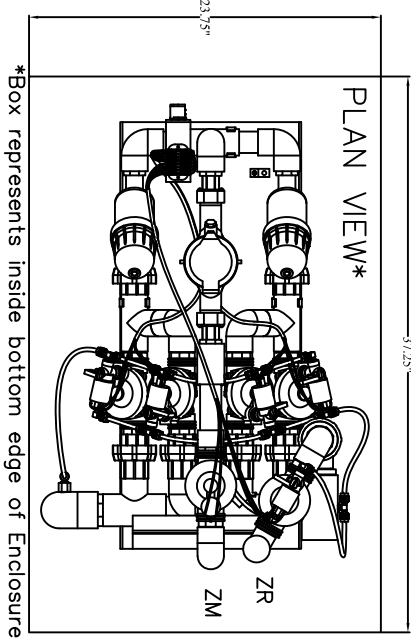
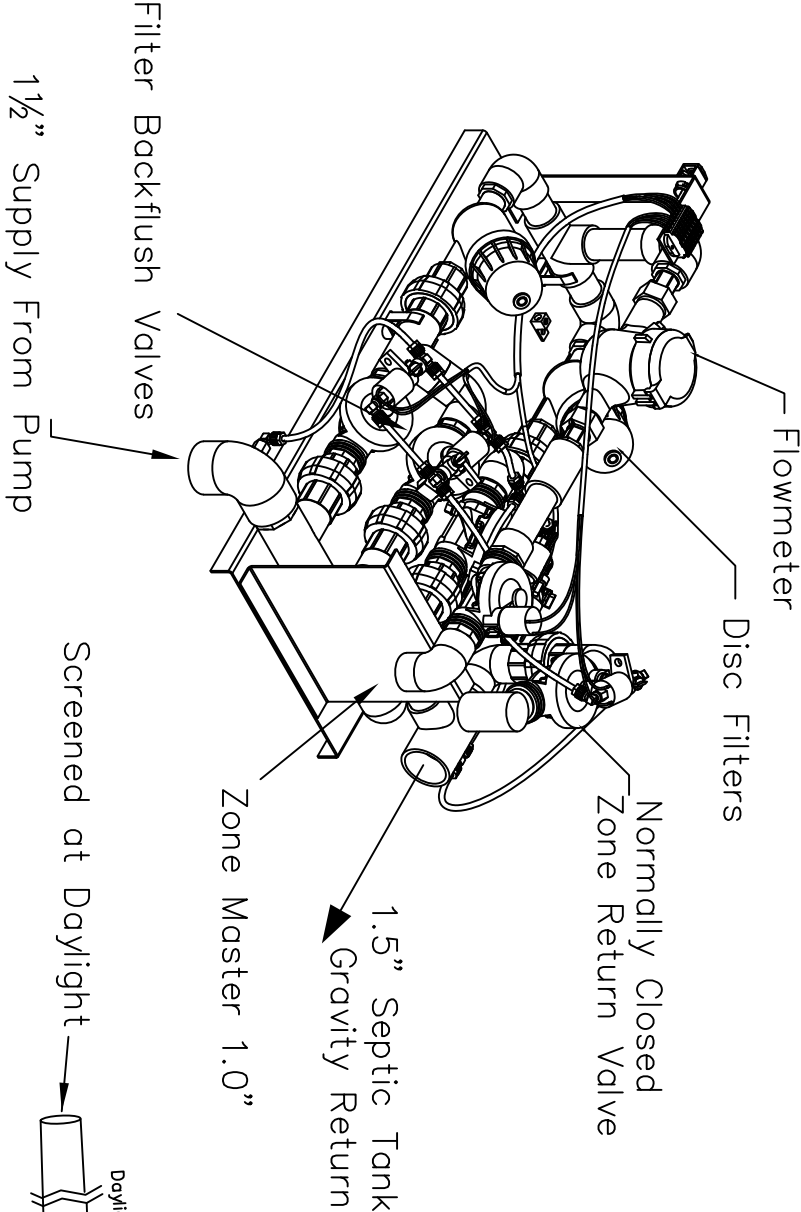
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| COUNTRY :      | TITLE :                                  | DATE: |
| COUNTY, STATE  | CONTROL, COOL GUIDE & PUMP CURVE DETAILS |       |

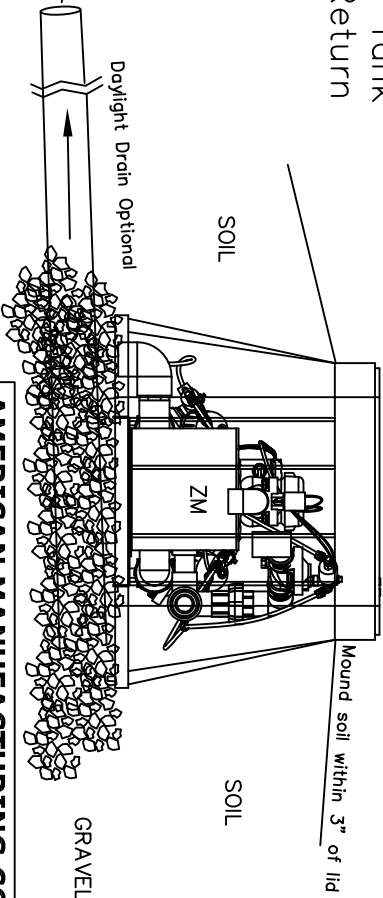
SCALE : NTS SHEET: 4 OF 8

STANDARD PERC-RITE HYD. UNIT DETAILS

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



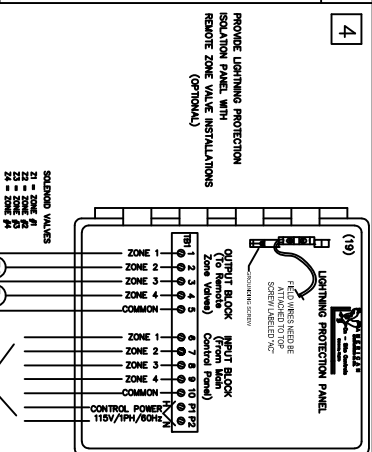
ASD15 HYD. UNIT INSULATED ENCLOSURE #INSENCLOSURE  
PLACE ON GRAVEL WITH DRAINAGE



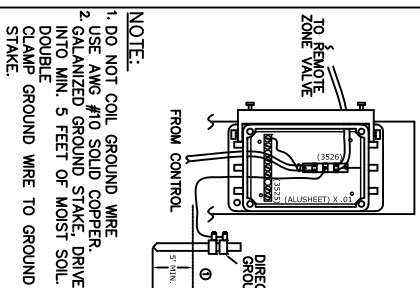
ASD15 & WD15 Hydraulic units to be placed on a bed of gravel for drainage.  
If ponding or groundwater is a possibility, a screened drain to daylight is required beneath hydraulic unit.

|                                                                                                          |                             |
|----------------------------------------------------------------------------------------------------------|-----------------------------|
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| TITLE :                                                                                                  | DRIP HYDRAULIC UNIT DETAILS |
| COUNTRY :                                                                                                |                             |
| COUNTY, STATE                                                                                            | SCALE : NTS SHEET: 5 OF 8   |

## 4



## TOP FEED MANIFOLDS



**UP**

1.0" Supply

Supply Manifold

1/2" Supply

1.0" Return

1.0" Check Valve

Return Manifold

1/2" Field Return

**DOWN**

USE ON ALL  
TO CONTROL  
TO LOWER

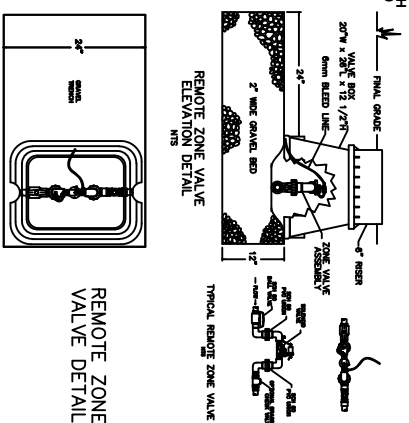
PRESSURE  
DRIPPER TUBING

PRESSURE  
DRIPPER TUBING

1. DO NOT COIL GROUND WIRE
2. USE AWG #10 SOLID COPPER.

DOUBLE GALVANIZED GROUND STAKE, DRIVE INTO MIN. 5 FEET OF MOIST SOIL.

CLAMP GROUND WIRE TO GROUND STAKE.



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|         |        |
|---------|--------|
| NAME :  | DATE : |
| TITLE : |        |

DETAIL

|             |               |
|-------------|---------------|
| SCALE : NTS | SHEET: 6 OF 8 |
|-------------|---------------|

SCALE : NT

SCALE : NT

**SHEET: 6 OF 8**

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.