

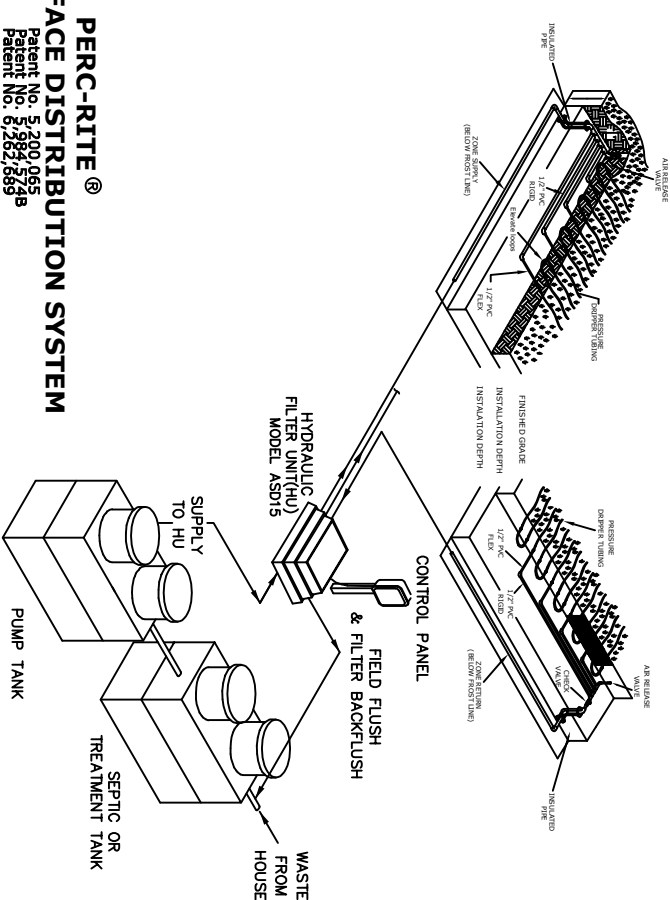
LOCATION MAP

SITE DIRECTIONS

PERC-RITE®

SUBSURFACE DISTRIBUTION SYSTEM

Patent No. 5,200,053
Patent No. 5,200,058
Patent No. 6,262,569



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.

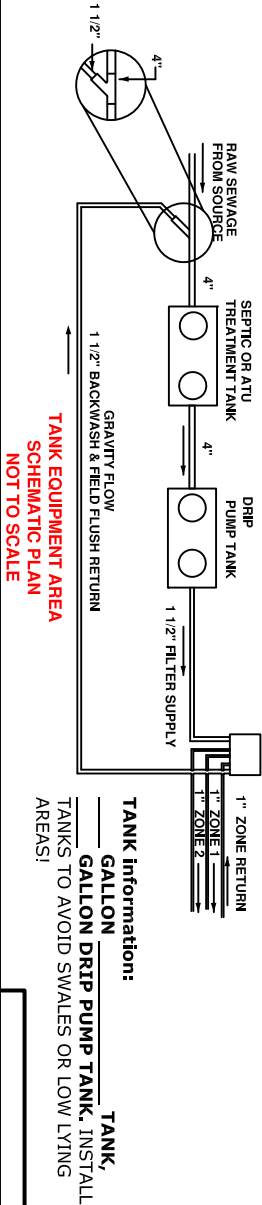
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22011 GREENHOUSE RD. ELKWOOD VA 22718 www.americanpercrite.com	
PROJECT NAME :	DRAFTER: DATE:
JOB NAME	CHECKED: DATE:
	APPROVED: DATE:
COUNTY : COUNTY, STATE	TITLE : COVER SHEET PERC-RITE® DRIP DESIGN
SCALE : NTS	SHEET: 1 OF 8

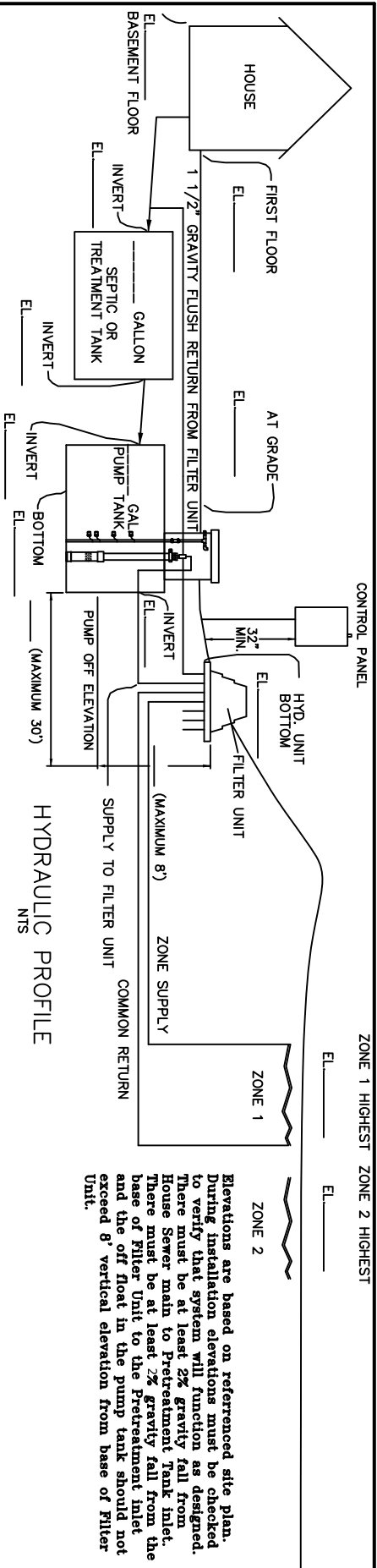
SITE PLAN (SYSTEM LAYOUT SKETCH)

SCALE: 1" = _____'

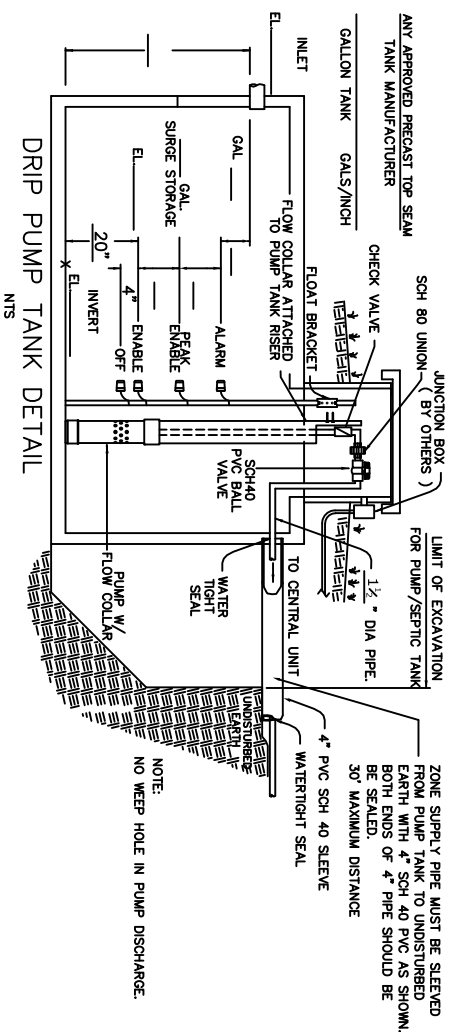


TANK Information:
_____ **GALLON** _____ **TANK,**
TANKS TO AVOID SWALES OR LOW LYING
AREAS!

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JOB NAME		CHECKED:	DATE:
COUNTY :		APPROVED:	DATE:
COUNTY, STATE		TITLE :	
COUNTY, STATE		SITE LAYOUT PLAN	
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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PROJECT NAME :	DRAWER: DATE:
JOB NAME	CHECKED: DATE:
	APPROVED: DATE:
	TITLE :
COUNTY : COUNTY, STATE	HYDRAULIC PROFILE, DRIP & ZONE DETAILS
SCALE : NTS	SHEET: 3 OF 8

AMERICAN PERC-RITE® CONTROLS

American Manufacturing Co., Inc. P.O. Box 97 Elkwood, VA 22718
Simplex 2 Zone PERC-RITE Drip System

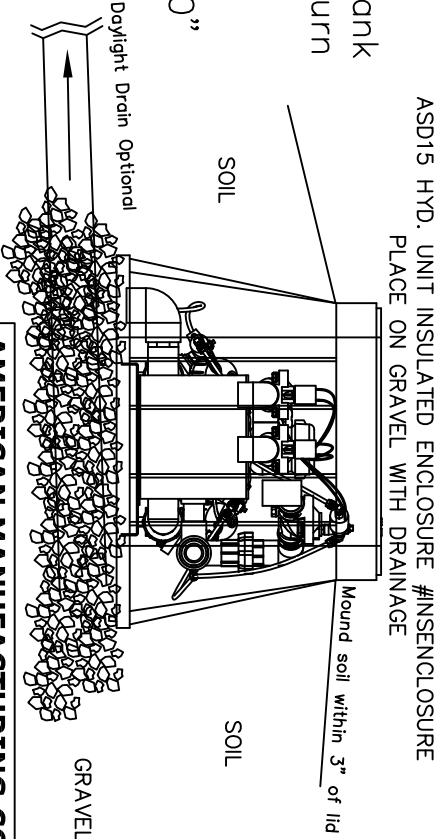
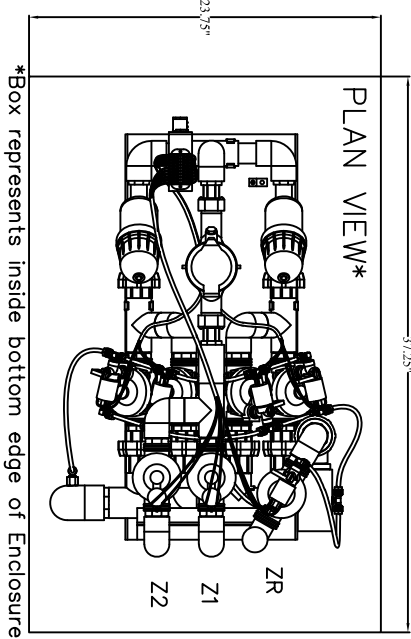
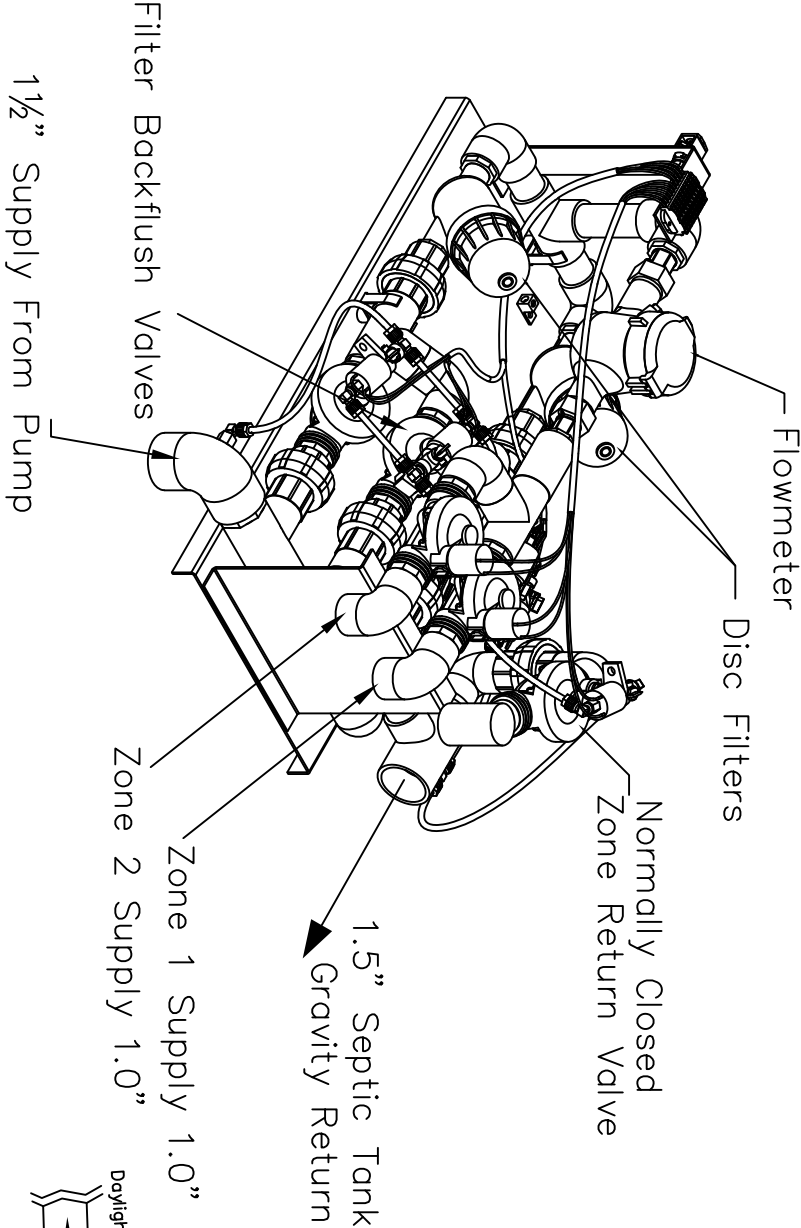


AMERICAN ONSITE CONTROLS
AMERICAN MANUFACTURING COMPANY INC.
P.O. BOX 97 ELKWOOD, VA 22718
(800) 345-3132 www.americanon-site.com

TORQUE SETTINGS		
TERMINAL	WIRE SIZE	TORQUE
1-11	10-16AWG	5-7 in-lbs
P11-112	4-16AWG	31 in-lbs
113-112	10-16AWG	7 in-lbs

STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

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

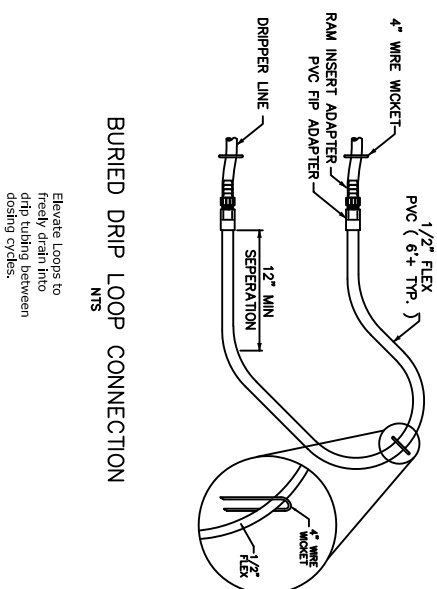


ASD15 & WD15 Hydraulic units to be placed on a bed of gravel for drainage. If ponding or groundwater is a possibility, a screened drain to daylight is required beneath hydraulic unit.

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

2

TOP FEED MANIFOLDS



BURIED DRIP LOOP CONNECTION

**Elevate Loops to
freely drain into
drip tubing between
dosing cycles.**

NT

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 glued joints shall be cleaned, deburred and primed with colored (dyed) PVC primer prior to being glued.
5. All cutting of PVC pipe, flexible PVC or drippe 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 drippe tubing of size 1 1/2" or smaller allowed.**
6. All PVC pipes, flexible PVC and drippe 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.
7. Drip supply and return lines and manifolds to be installed at adequate depth to prevent freezing.
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:
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APPROVED:	DATE:
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JOB NAME

TITLE :

COUNTY :

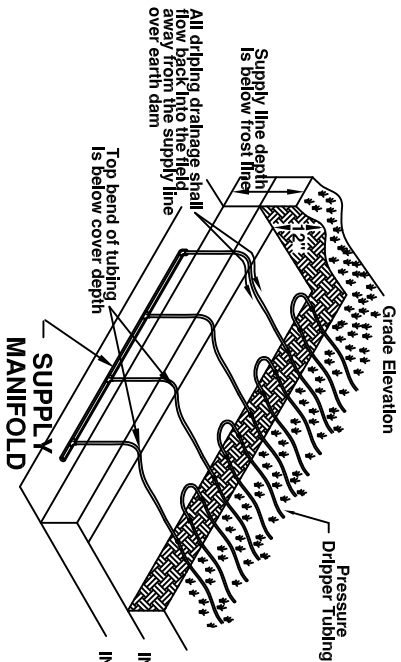
COUNTY, STATE

DRIP DETAIL SCHEMATICS

SCALE : NTS	SHEET: 6 OF 8
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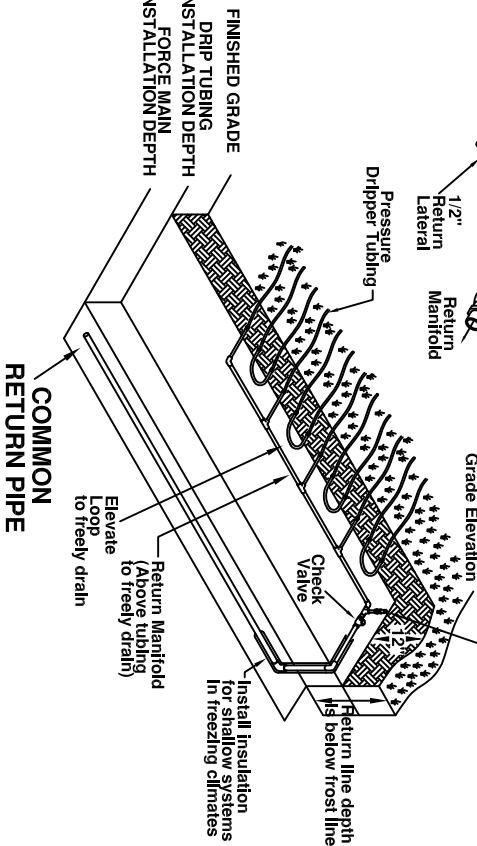
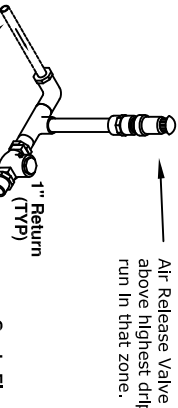
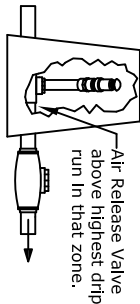
1

SIDE FEED MANIFOLD
SITES WITH NO DISCERNIBLE SLOPE



STANDARD RESIDENTIAL DRIP SYSTEM DETAILS

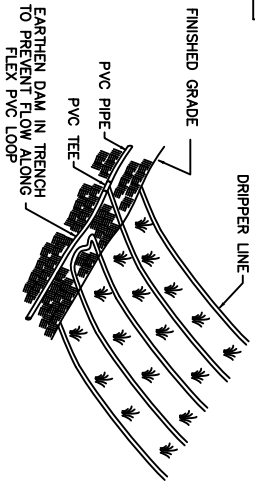
RETURN DETAIL



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.
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.

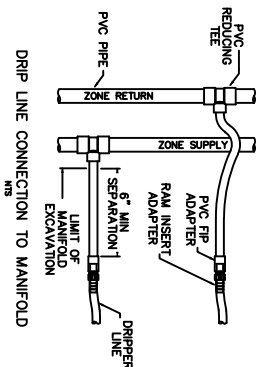
2



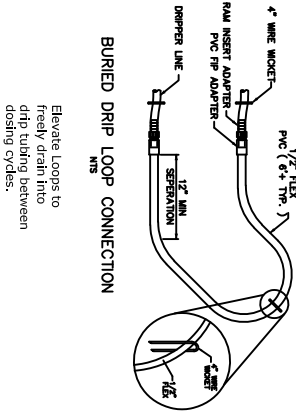
DRIPPER LINE SECTION DETAIL
SIDE FEED OPTION
FLAT SITES ONLY.

3

SIDE FEED OPTION
FLAT SITES ONLY.



4



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