

REEVES SUPPLY CO., INC.

130 Dickerson Road • Franklin, GA 30217

1-888-854-5221 • Fax: 770-854-5540



INSTALLATION MANUAL FOR EVAPORATIVE COOLING

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TOOLS REQUIRED FOR INSTALLATION

PVC Piping Glue	PVC Piping Cutter	PVC Pipe Cleaner
Circular Saw	Ladder 8' Step	Tape Measure
Line & Hand Level	Chalk Line	Hammer
Transit or surveyors level	Drill w/1/4" bit	Ratchet Set
Wrench	"Sharpie" Marker	Nut Driver
Phillips & flat Screw driver		Plywood Saw Blade
		min. 140 tooth

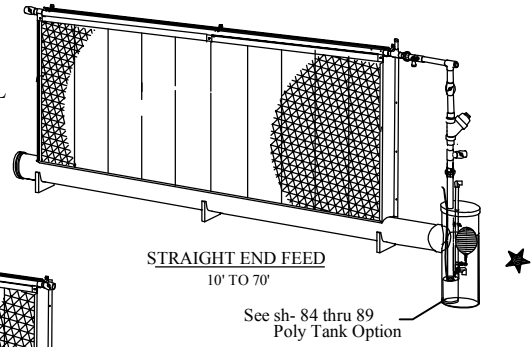
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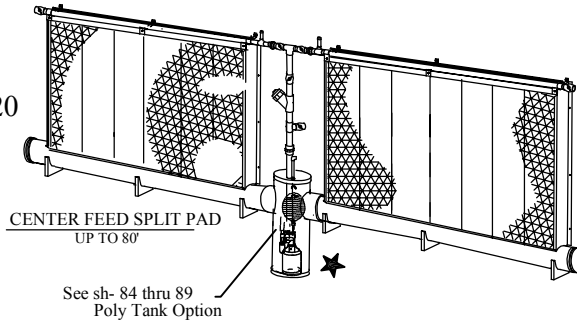
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GENERAL SKETCHES OF SYSTEMS
REEVES SUPPLY COMPANY OFFERS WITH
THEIR LOCATION IN INSTALLATION MANUAL

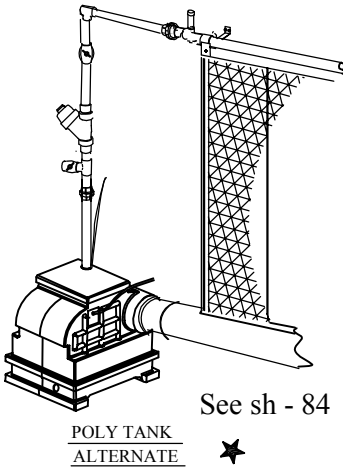
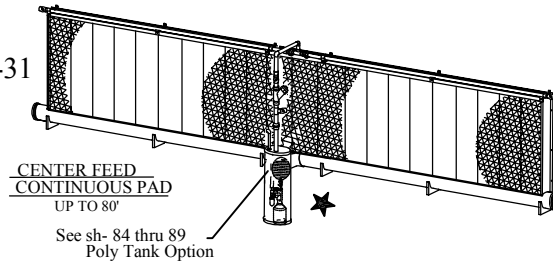
See sh-7



See sh-20

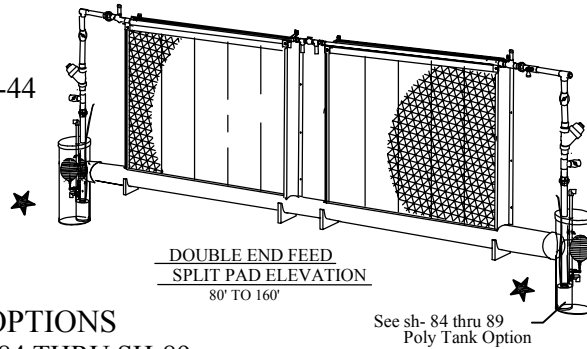


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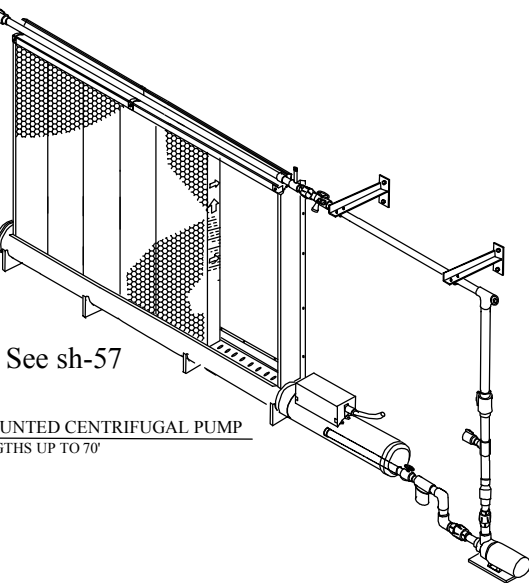
See sh - 84

See sh-44

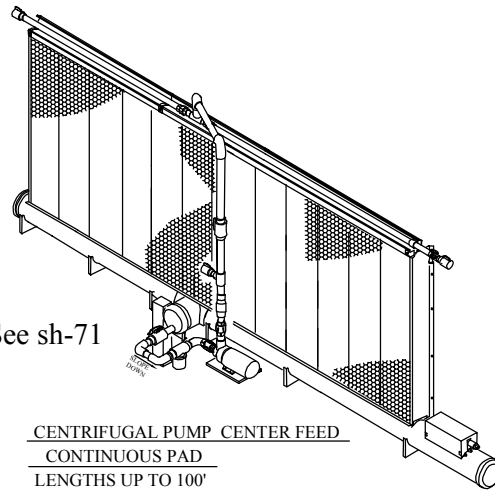


SUMP OR TANK OPTIONS
TANK OPTIONS SEE SH-84 THRU SH-89

CENTRIFUGAL PUMP OPTION



See sh-71



GENERAL ASSEMBLY SECTION

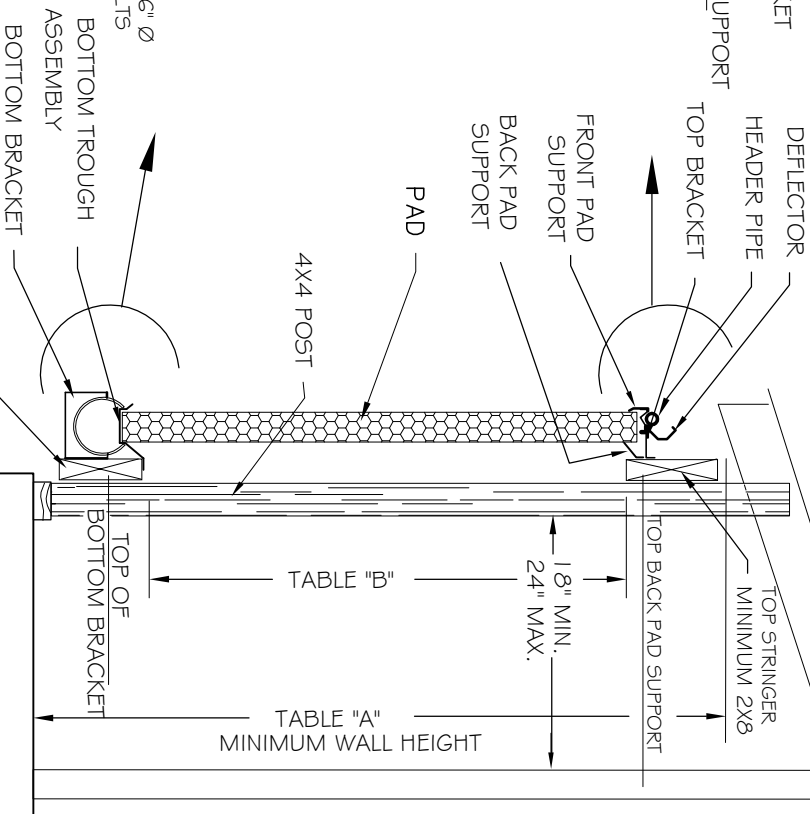
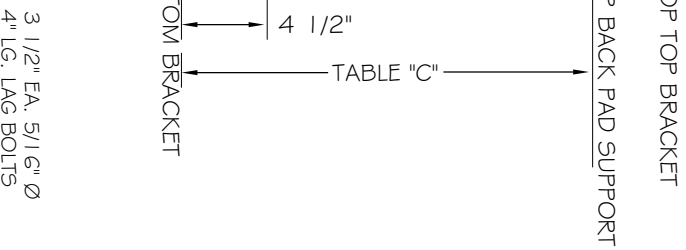
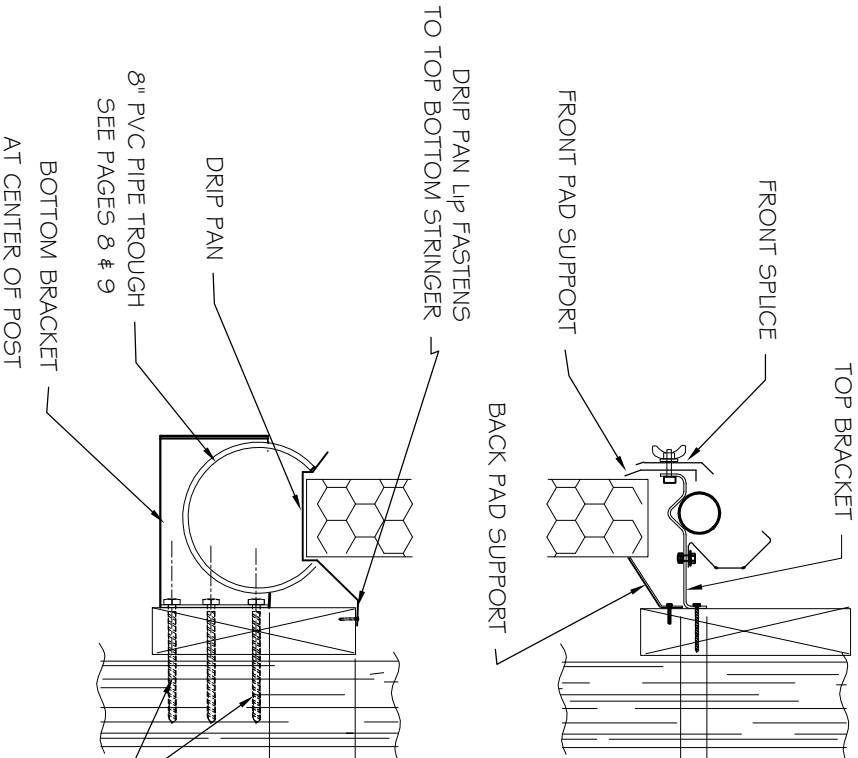
MINIMUM WALL HEIGHT
PAD HEIGHT + 16" = "A"

TABLE "A"		
PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET	in INCHES
3'-0"	4'-4"	52"
4'-0"	5'-4"	64"
5'-0"	6'-4"	76"
6'-0"	7'-4"	88"

ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

TABLE "B"		
PAD HEIGHT	CLEAR BETWEEN TOP AND BOTTOM STRINGER	
	in FEET	in INCHES
3'-0"	2'-9"	33"
4'-0"	3'-9"	45"
5'-0"	4'-9"	57"
6'-0"	5'-9"	69"

TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	in FT. & IN.	INCHES
3'-0"	3'-4 1/2"	40.5"
4'-0"	4'-4 1/2"	52.5"
5'-0"	5'-4 1/2"	64.5"
6'-0"	6'-4 1/2"	76.5"



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PARTS LIST

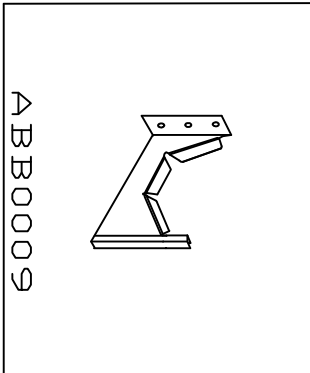
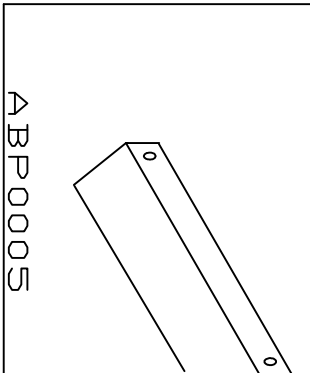
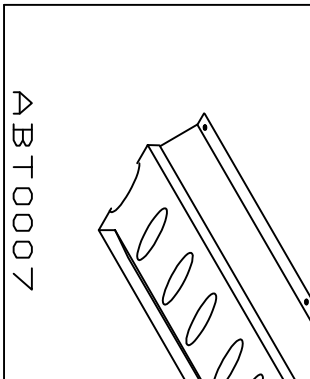


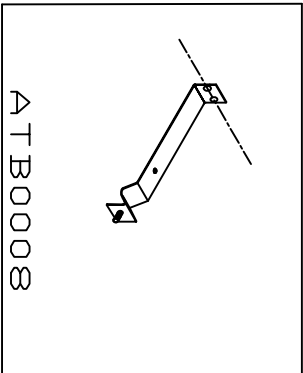
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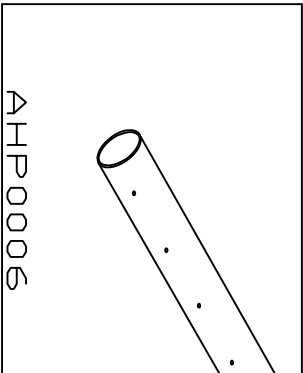
ABP0005
BACK PAD
SUPPORT



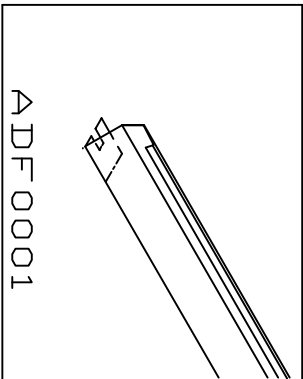
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DRIP PAN



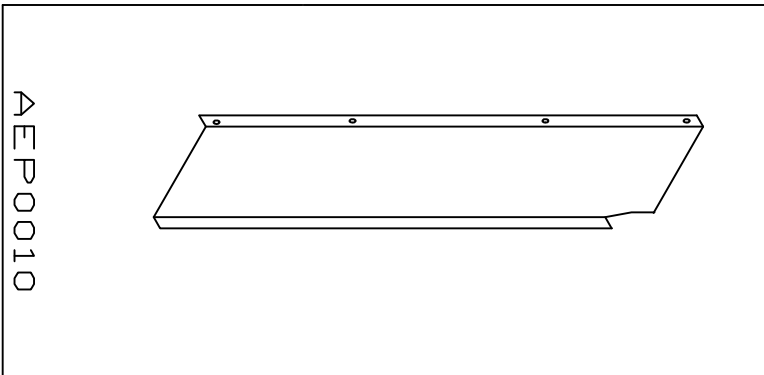
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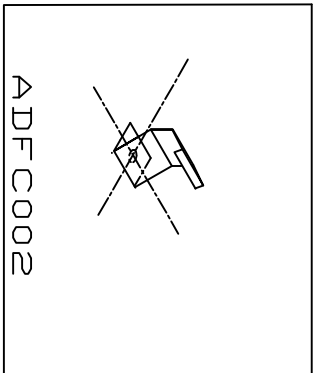
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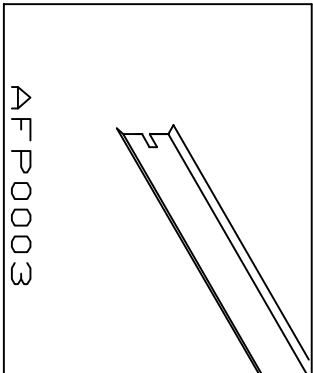
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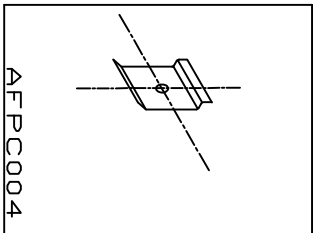
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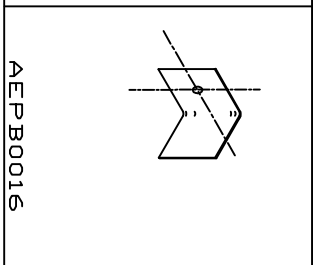
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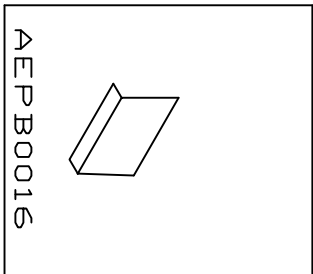
AFP0003



AFPC004



AEPB0016



AEPB0016

TOP BRACKET

HEADER PIPE

DEFLECTOR

END PANEL

DEFLECTOR
SPLICE

FRONT PANEL

FRONT SPLICE

END PANEL
CLIP

END PANEL
BRACKET

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OPERATION

Initial Startup

When the pads are new their slick surface will inhibit the soaking that will happen when pads have gone through the "break-in" period. In order to "break-in" the pads, it is necessary to pump water over the pads continuously for one or two days depending on water "hardness" in your area. This is referred to as the "sock-in" time.

After the pads have gone through the "break-in" period turn the water off and inspect the pads carefully. Any dry streaks found will indicate uneven water distribution. If dry streaks are found the header pipe will need to be cleaned. See procedure for cleaning system on next page.

Normal Operations

During normal conditions the pump should run continuously when air is being drawn across the pads. Water flow is controlled with the ball valve

During system operation look for signs of scale formation. Scale is a concentration of solids that build up on the surface of the pads. The scale comes from impurities in the water that are deposited when the water evaporates. If scale is noticed increase bleed off rate.

If water level in the reservoir is too high the bottom of the pads may stand in water. The part of the pads that are submerged will become waterlogged. This will result in breakdown of the waterlogged parts of the pads, thus greatly reducing the life of the pads.

Extending Pad Life

With use of your system you will become aware of various factors that affect the efficiency and life of the system. The three most typical problems are algae growth, scale, and dirt build up on the pads. A good maintenance program takes a small amount of time and will pay off with longer service life and more efficient operating system.

Algae Treatment

If algae develops in pipes in may be necessary to treat the water with chemicals. Consult the local agricultural distributor for a suitable water treatment.

Limit on-off Cycling

Many users have initially seen greater cooling effects from their system when they run the system on a ten minute cycle. Granted this procedure may have effective short term result, however the pad life is greatly reduced. Short term on-off cycles result in an increase scale deposit. The soluble minerals in the water become deposited on the pads each time the pads dry. The deposited scale (salts) limit the cooling effectiveness.

The best performance can be obtained with a water flow that keeps the water flowing over the pads. This will continuously flush the pads clean.

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Bleed -off water from the system

Why bleed off water? As water is recycled through your system the impurities become more concentrated. When water evaporates no impurities are carried along, therefore the amount of impurities in the water that have not evaporated remain in the system. The chemicals, minerals and other impurities that are left behind through evaporation build up in the reservoir and should be diluted.

The only way to reduce the level of concentration is by removing (bleeding-off) water from the system. The amount of water you should bleed-off depends on the quality of the water being used by your system.

The amount of water you should bleed-off depends on the water quality in your area. If you have a large amount of impurities, you will need to allow more water to escape. If you see scale beginning to form on the pads, you will need to increase your bleed-off rate. The best method for determining the bleed-off rate is to first find out how much evaporation is occurring. To calculate a rough estimate of your evaporation, multiply the area of the pad by the air speed through the pad, by the temperature drop from one side to the other, then divide the final number by 500,000.

Example: assume you had 5' tall by 60' long and your air speed is 300 feet per minute. Outside temperature is 95 , and inside temperature is 75 you would have an evaporation rate of 3.6 gallons per minute.

If water is extremely hard (that is with high levels of impurities) then the bleed-off rate should be equal to evaporation. In areas with little minerals in the water supply, then bleed-off somewhere between 1/4 to 1/2 the evaporation rate.

Cleaning the system

1. Shut off the pump and clean the strainer. To clean in-line filter: (a) close ball valve between filter and reservoir; (b) unscrew filter and dump out water; (c) replace filter; (d) open ball valve.
2. If possible turn off fans. (if this is not possible, run fans at minimum level).
3. Gently hose off pads. Clean algae from pads and pipes.
4. Flush reservoir: (a) close ball valve between pump and 1" diameter exhaust; (b) open 1" diameter exhaust valve; (c) turn on pump; (d) added to reservoir by fill line as system flushes.
5. After flushing reservoir: (a) turn off pump; (b) open ball valve between exhaust and union fitting; (c) close exhaust valve.
6. Flush header: (a) open ball valve at end of header; (b) turn on pump; (c) flush for several minutes.
7. Disconnect union at end of header.
8. Insert brush into header. Brush out debris from header line.
9. Reconnect union.
10. After flushing header: Turn off pump. Close ball valve at end of header.
11. Refill reservoir to full level.
12. Resume normal operation.

Winterizing the system

1. Shut off pump.
2. Close ball valve between in-line filter and reservoir.
3. Remove filter cover.
4. Open ball valve between strainer and reservoir. Drain water from system.

NOTE: expect about 70 gallons of standing water per 50 feet of reservoir pipe.

5. Do not replace filter cover until recharging the system for normal operation.

6. Leave all fittings open for winter.

*** If left closed they will freeze and burst.**

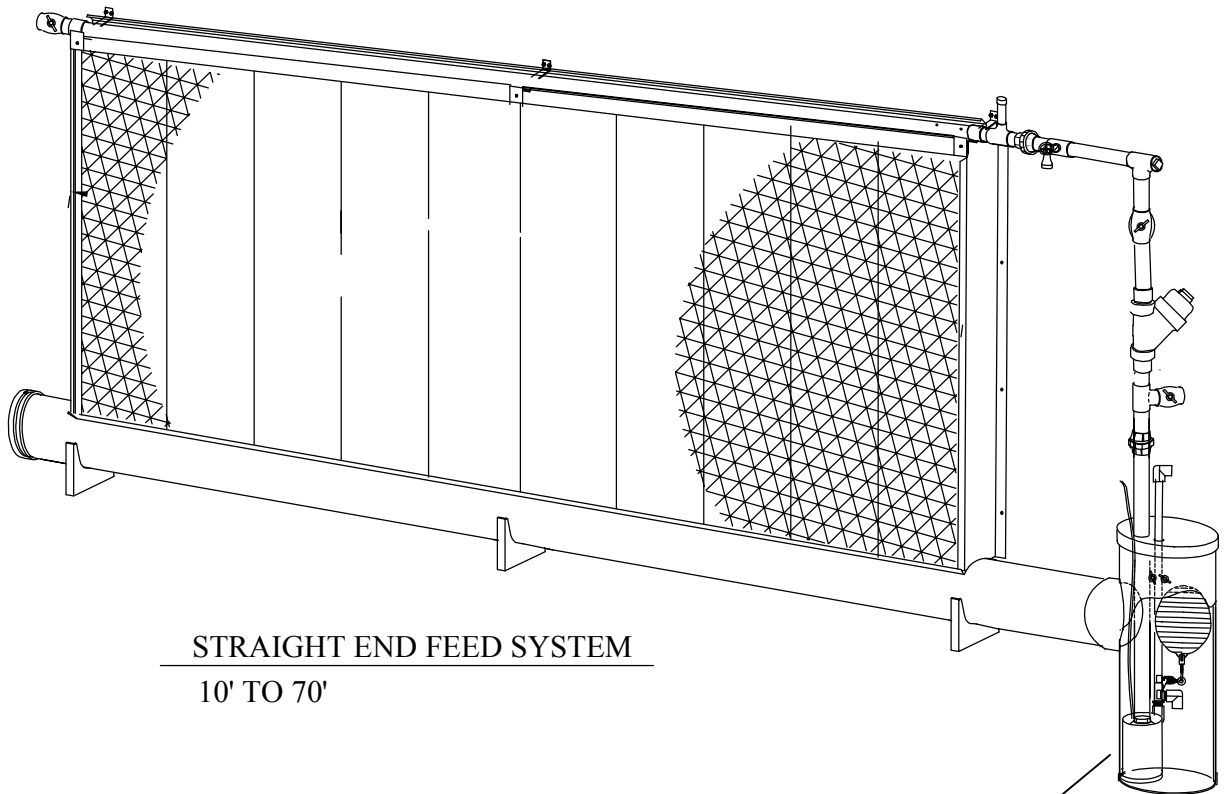
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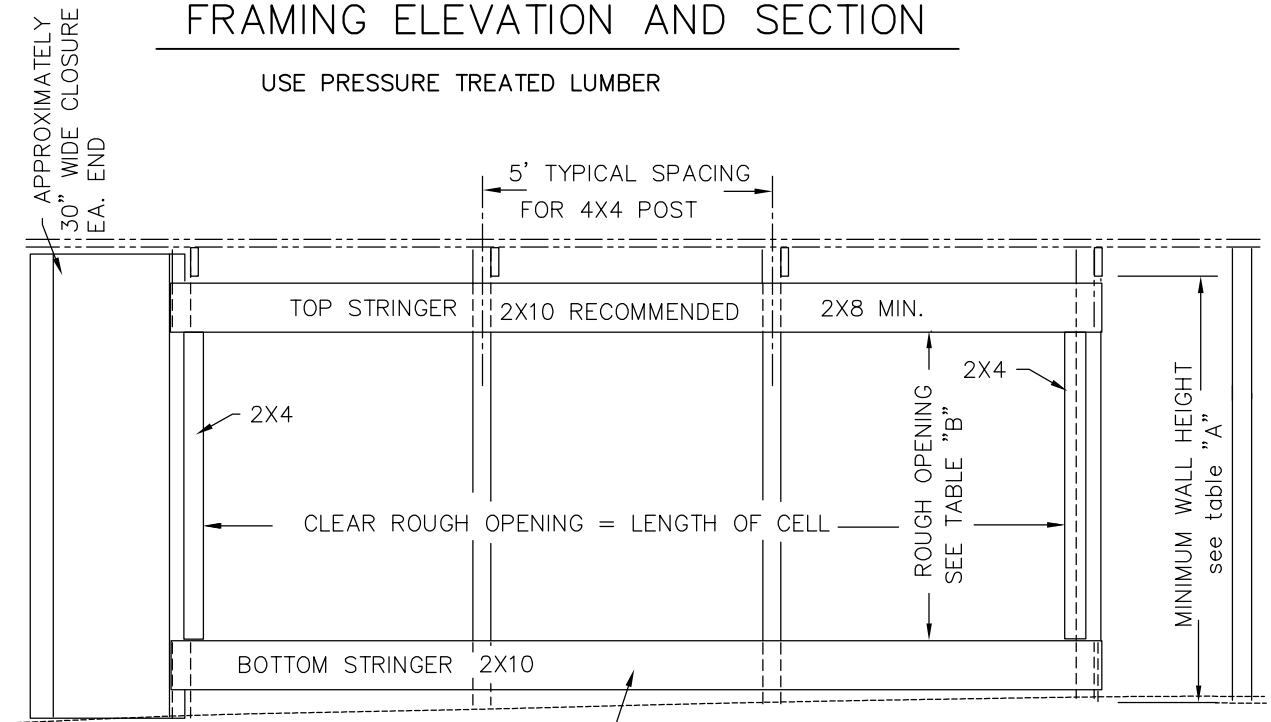
STRAIGHT END FEED SYSTEM

10' TO 70'

SEE SHEET 85 FOR
POLY TANK OPTION

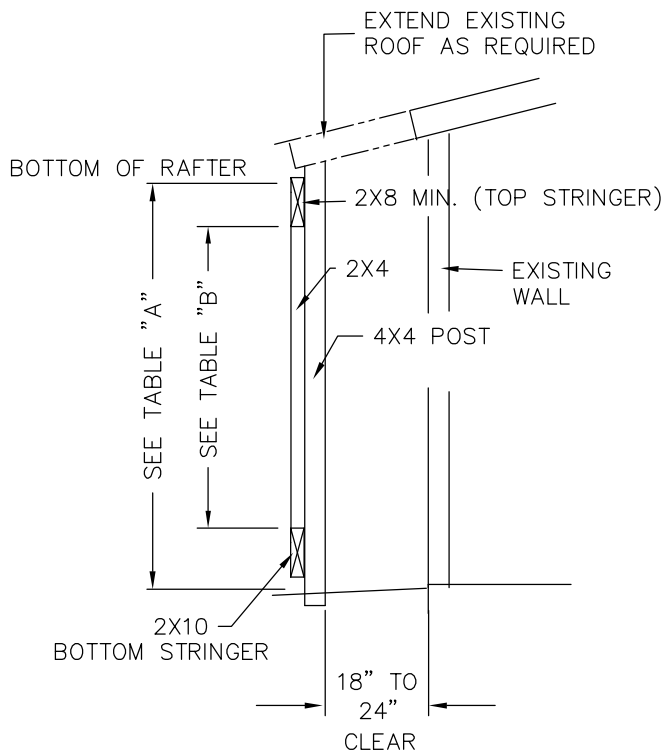
FRAMING ELEVATION AND SECTION

USE PRESSURE TREATED LUMBER



BOTTOM AND TOP STRINGER TO BE INSTALLED LEVEL.

BOTTOM 2X10 STRINGER TO BE TEMPORARILY NAILED IN PLACE. FINAL ANCHORAGE COMES WITH THE INSTALLATION OF THE BOTTOM BRACKETS



SECTION VIEW

MINIMUM WALL HEIGHT
PAD HEIGHT + 16" = "A"

PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET & IN	in INCHES
3' - 0"	4' - 4"	52"
4' - 0"	5' - 4"	64"
5' - 0"	6' - 4"	76"
6' - 0"	7' - 4"	88"

ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

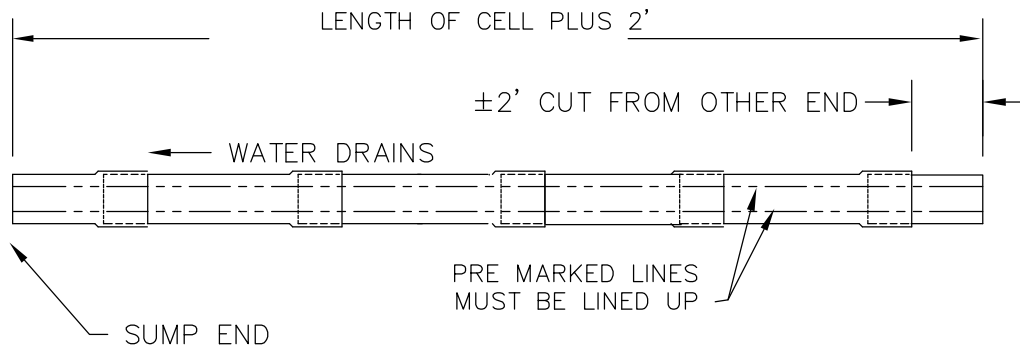
PAD HEIGHT	CLEAR BETWEEN 2X10	
	in FEET & IN	in INCHES
3' - 0"	2' - 9"	33"
4' - 0"	3' - 9"	45"
5' - 0"	4' - 9"	57"
6' - 0"	5' - 9"	69"

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GLUE 8" TROUGH FOR END FEED SYSTEM

DO NOT DISTURB GLUED PIPE
UNTIL GLUE HAS CURED.

A MINIMUM OF 2' EXTRA 8" PIPE PROVIDED



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INSTALL BACK PAD SUPPORT

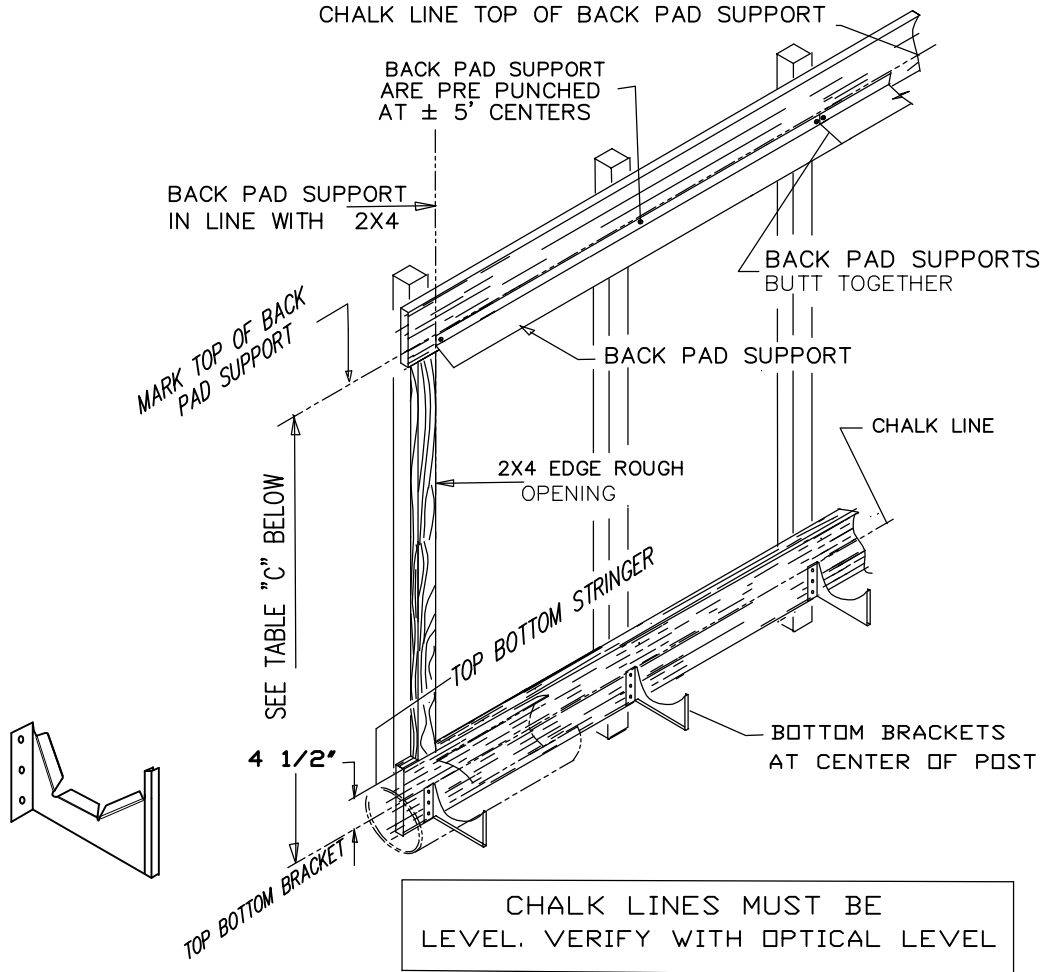
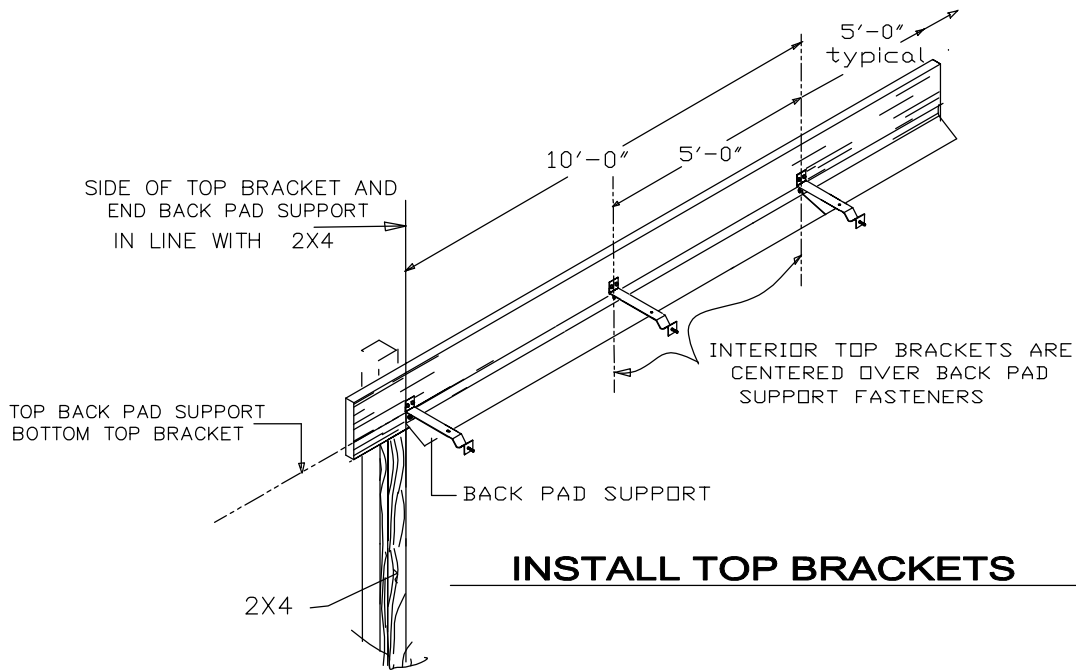
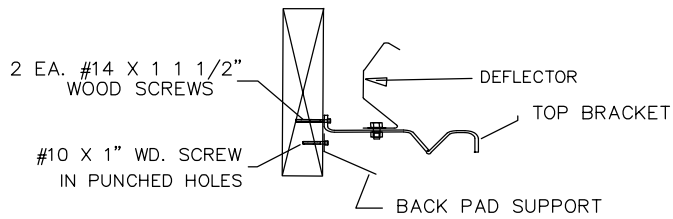


TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	IN FT. & IN.	INCHES
3' - 0"	3' - 4 1/2"	40.5"
4' - 0"	4' - 4 1/2"	52.5"
5' - 0"	5' - 4 1/2"	64.5"
6' - 0"	6' - 4 1/2"	76.5"

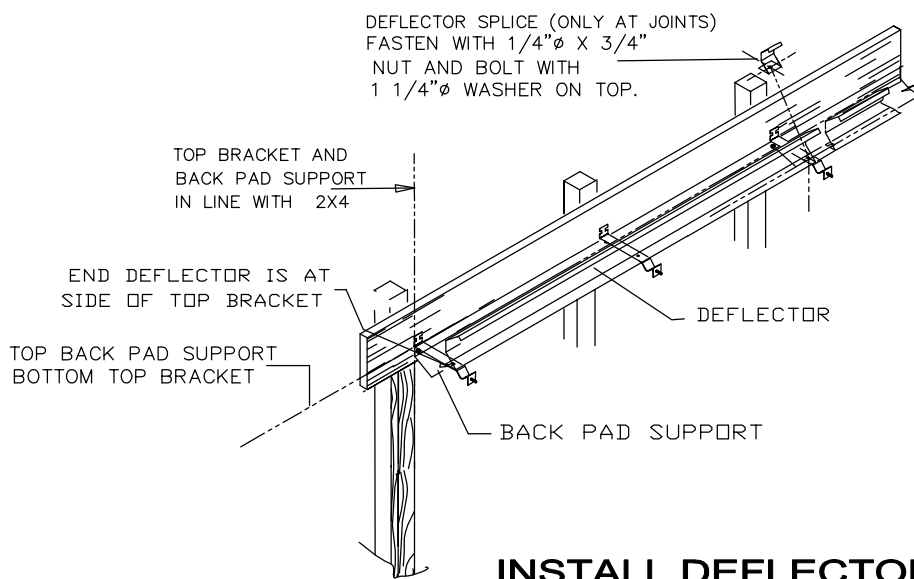
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INSTALL TOP BRACKETS



END VIEW



INSTALL DEFLECTOR

TROUGH FABRICATION

FOR END FEED SYSTEMS

AFTER THE GLUE HAS DRIED PLACE THE ASSEMBLED PIPE ON THE BOTTOM BRACKETS AND SLIDE ASSEMBLY AS REQUIRED TO MAKE SURE THE JOINS CLEAR THE BOTTOM BRACKETS.

DRILL HOLES AT CORNERS BEFORE MAKING CUTS

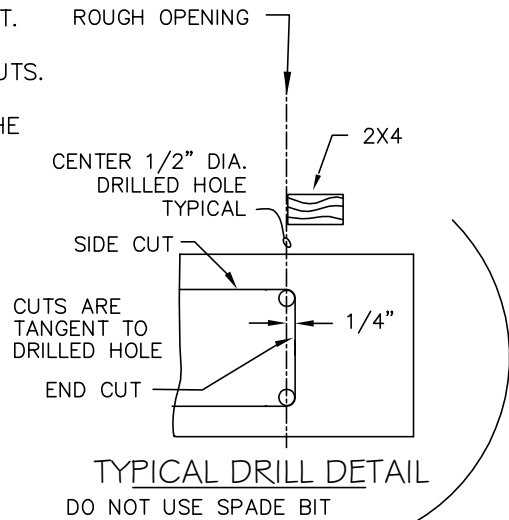
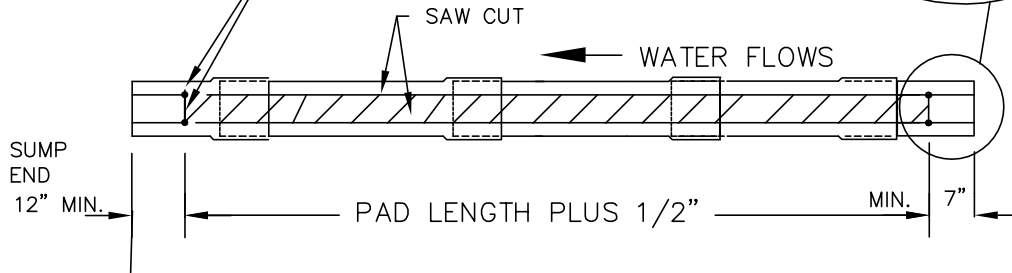
WITH PIPE ON THE BOTTOM BRACKETS AND CLEAR OF THE BRACKETS THE FIRST STEP IN CUTTING THE PIPE IS TO LOCATE THE CORNERS AND DRILL 1/2" DIA. HOLES AS SHOWN IN TYPICAL DRILL DETAIL THIS SHEET.

NOW WITH THE HELP OF AN ASSISTANT START SIDE CUTS. USE A CIRCULAR SAW WITH PLYWOOD CUTTING BLADE. DO NOT ALLOW THE CUT SECTION TO SAG DOWN IN THE PIPE. WEDGE THE CUT SECTION AS REQUIRED. MAKE THE END CUTS LAST.

DO NOT OVER CUT AT THE CORNERS.

suggest using jig saw to cut last couple inches at corners.

1/2" DIA. DRILL HOLES AT CORNERS TYPICAL SEE TYPICAL DRILL DETAIL

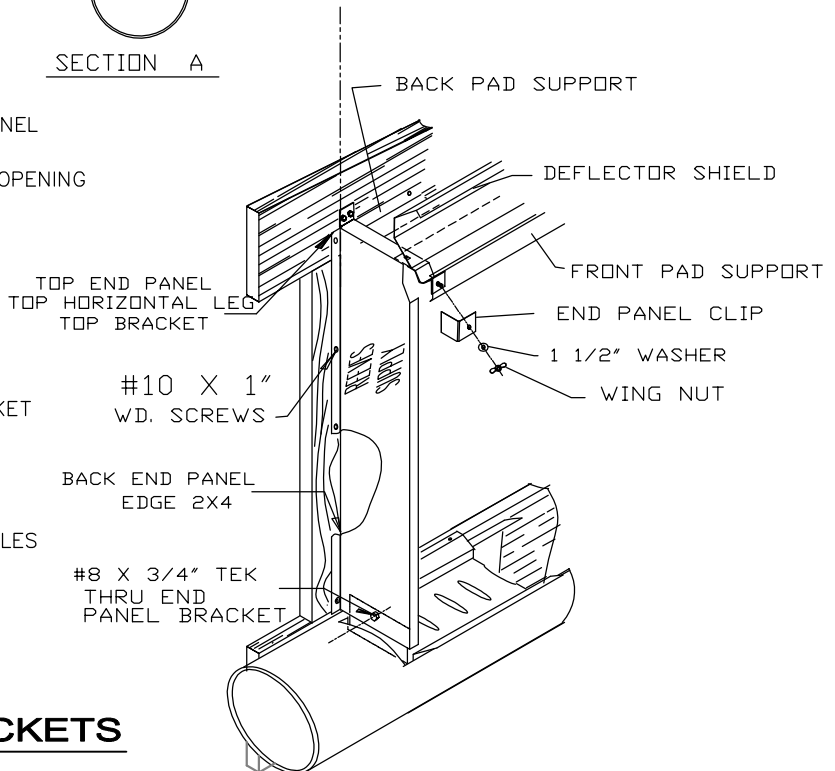
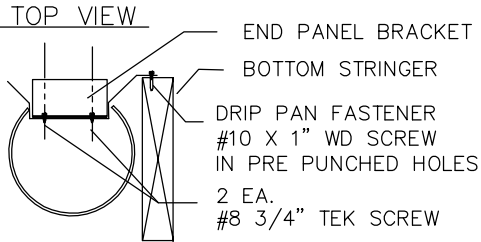
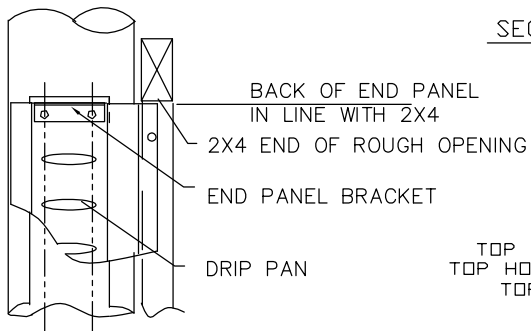
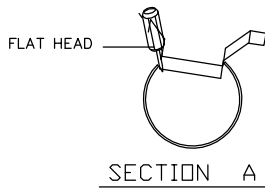
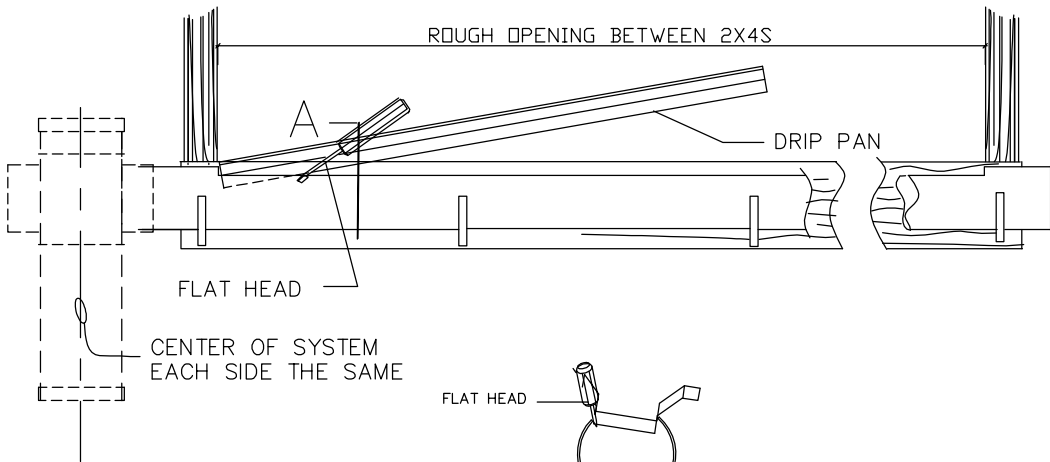


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PLACE DRIP PAN IN TROUGH

THOROUGHLY CLEAN THE TROUGH BEFORE INSTALLING THE DRIP PAN,
 DUE TO THE TIGHT FIT OF DRIP PAN IN THE TROUGH PIPE
 THE OPENING WILL MOST LIKELY REQUIRE PRYING OPEN TO "WALK IN"
 THE DRIP PAN. TYPICALLY A FLAT HEAD SCREW DRIVER WEDGED BETWEEN
 PIPE AND PAN JUST AHEAD OF THE SEATED AREA WORKS WELL. SLIGHT
 ROTATION OF THE PAN HELPS SEE SECTION "A" BELOW.



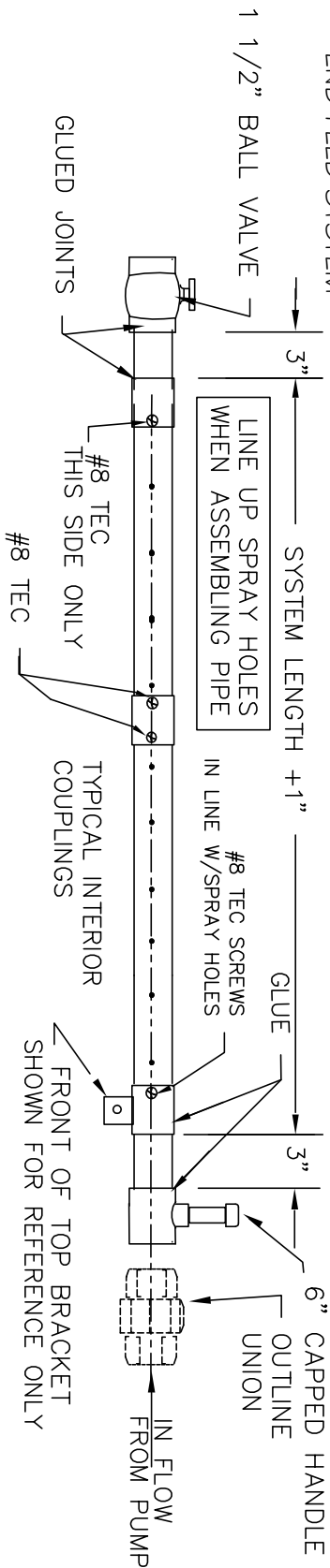
INSTALL END PANELS BRACKETS

INSTALL END PANELS BOTH ENDS

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ASSEMBLE HEADER PIPE

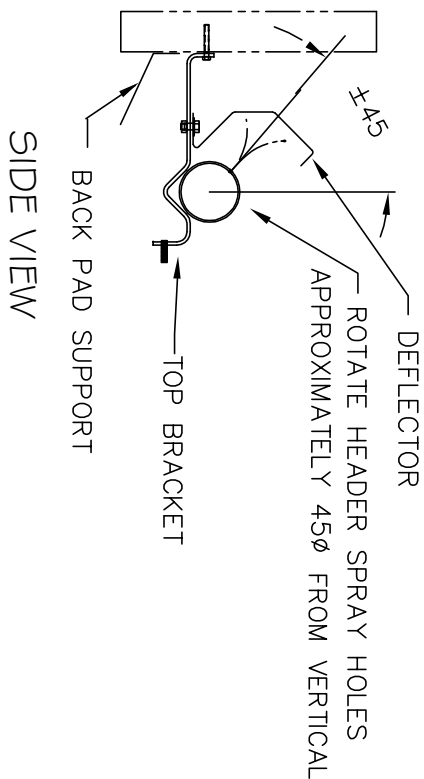
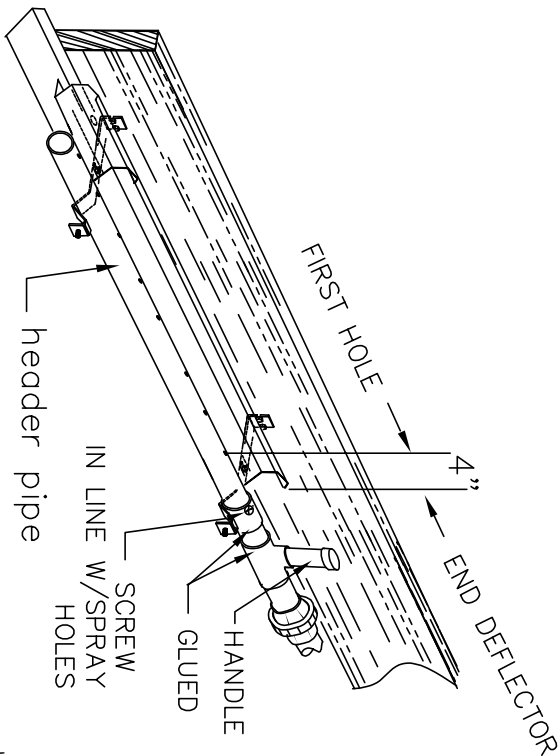
END FEED SYSTEM



HEADER PIPE DETAIL

STEP 1 (DO NOT GLUE HEADER PIPE)
 MAKE SURE HOLES ARE LINED UP WHEN ASSEMBLING HEADER.
 COUPLINGS ARE SCREW FASTENED TO PIPE WITH 2 EACH
 #8 TEC SCREWS. 1 SCREW EACH SIDE OF COUPLING.

STEP 2
 PLACE ASSEMBLED HEADER PIPE ON TOP BRACKETS. MAKE
 SURE THE HEADER SPANS FULL LENGTH OF TOP
 BRACKETS. JOIN BALL VALVE WITH ABOUT 3" OF PIPE
 TO OUT ENDS. PLACE HANDLE W/ ABOUT 3" ON IN FLOW END

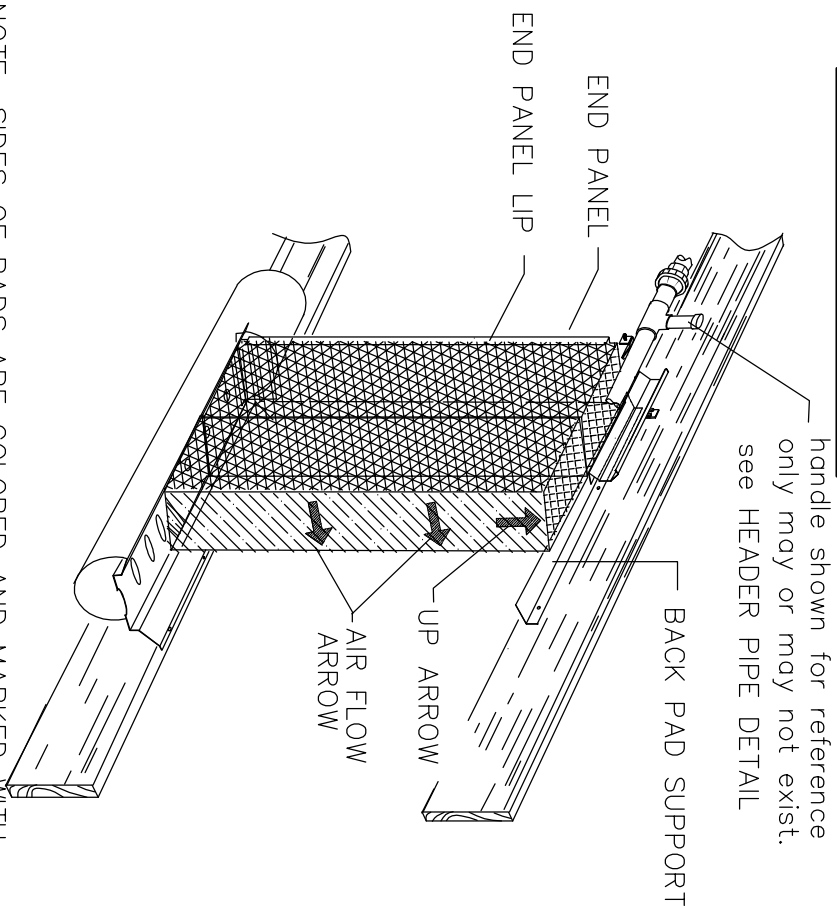


STEP 3
 POSITION HEADER PIPE TO PROVIDE MINIMUM 4"
 BETWEEN FIRST SPRAY HOLE AND END OF DEFLECTOR.
 THIS TO PREVENT SPRAYING OUTSIDE THE DEFLECTOR.
 IT MAY BE NECESSARY TO CUT HEADER PIPE AND
 INSTALL A COUPLING TO GAIN THE 4" CLEARANCE.

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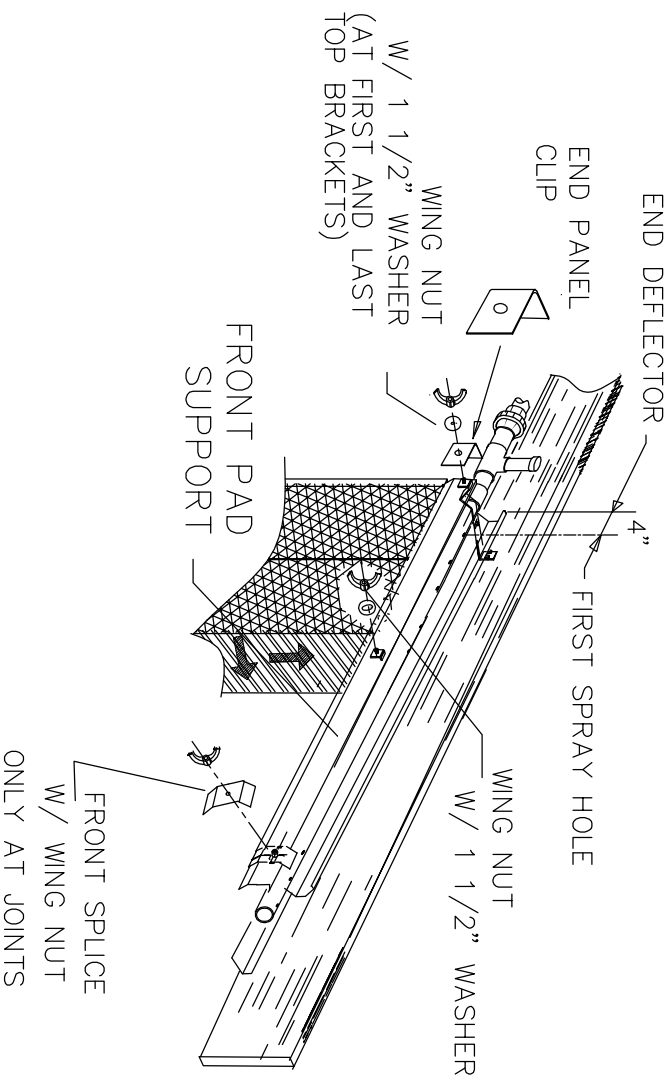
INSTALL PADS



NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO SHOW CORRECT ORIENTATION OF PADS. MAKE SURE PADS ARE PLACED CORRECTLY.

"NEST THE FIRST PAD BEHIND LIP AGAINST THE END PANEL INSTALL REMAINDER OF PADS TIGHTLY AGAINST THE PREVIOUSLY INSTALLED PAD. CONTINUE UNTIL THE NEXT TO LAST PAD HAS BEEN INSTALLED. IN ORDER TO INSTALL THE LAST PAD THE NEXT-TO-LAST PAD SHOULD BE SLID BEHIND FAR END PANEL LIP. THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

INSTALL FRONT PAD SUPPORT

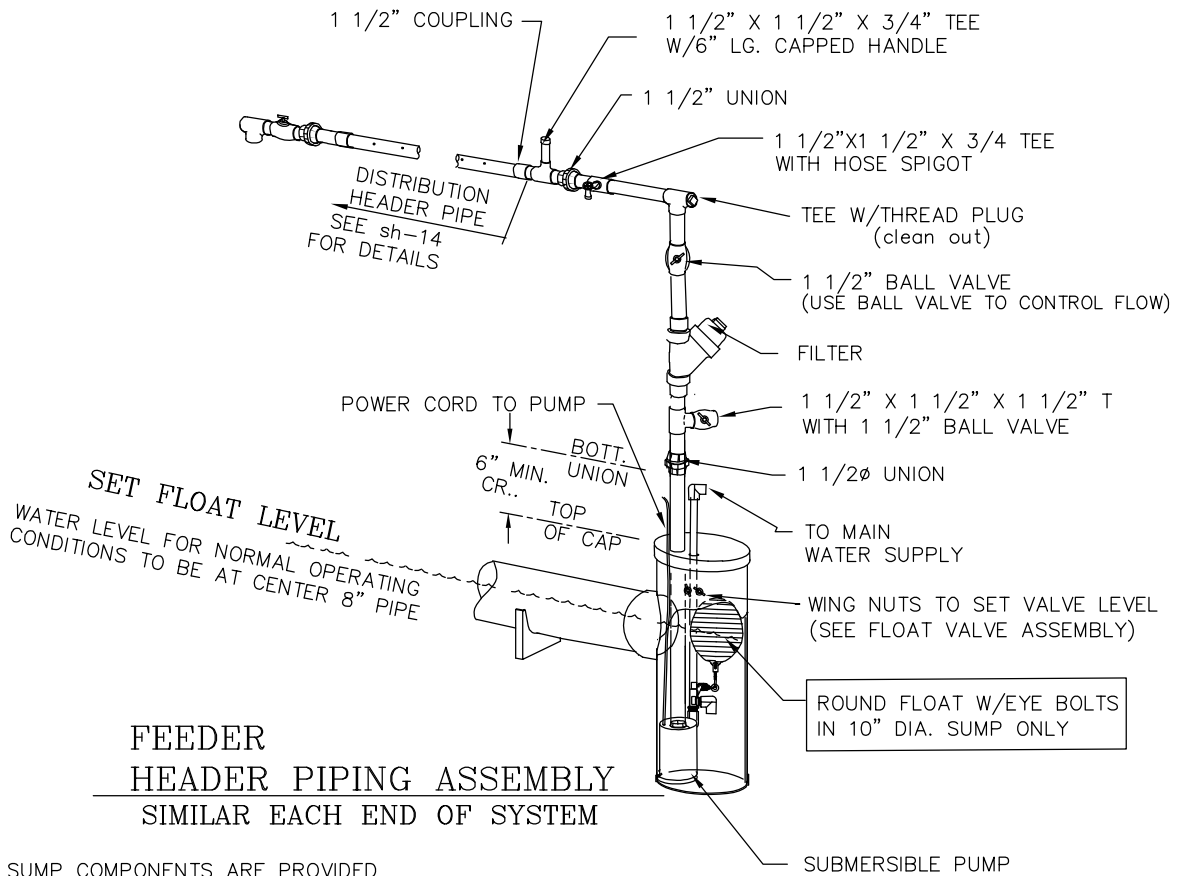


THE FRONT PANEL CAN BE INSTALLED AS PADS ARE PLACED OR AFTER ALL PADS HAVE BEEN INSTALLED.

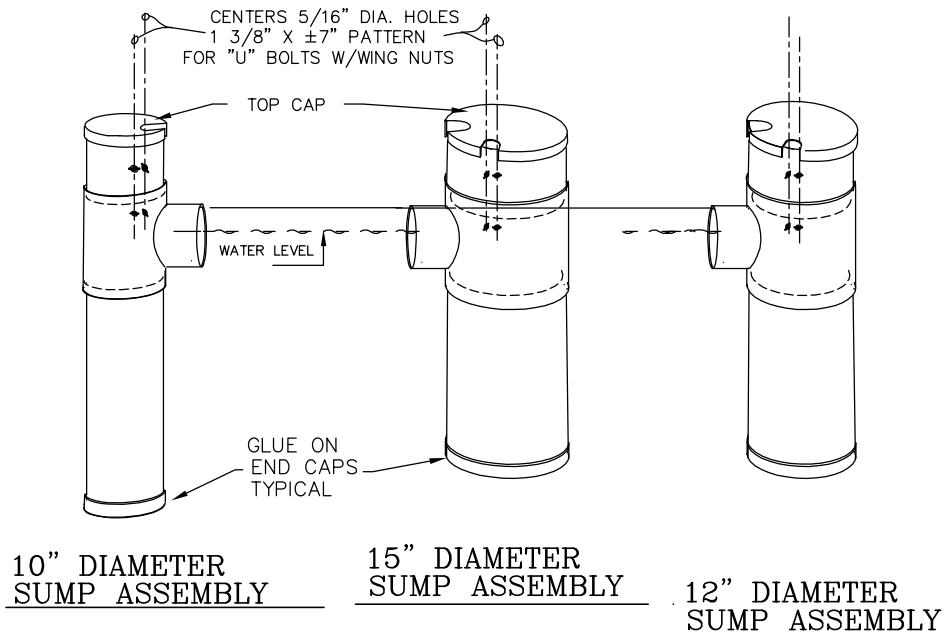
NOTE: ON ALUMINIUM SYSTEM PEEL OFF PVC COATING AND PLACE REEVES SUPPLY STICKER ON END PANEL.

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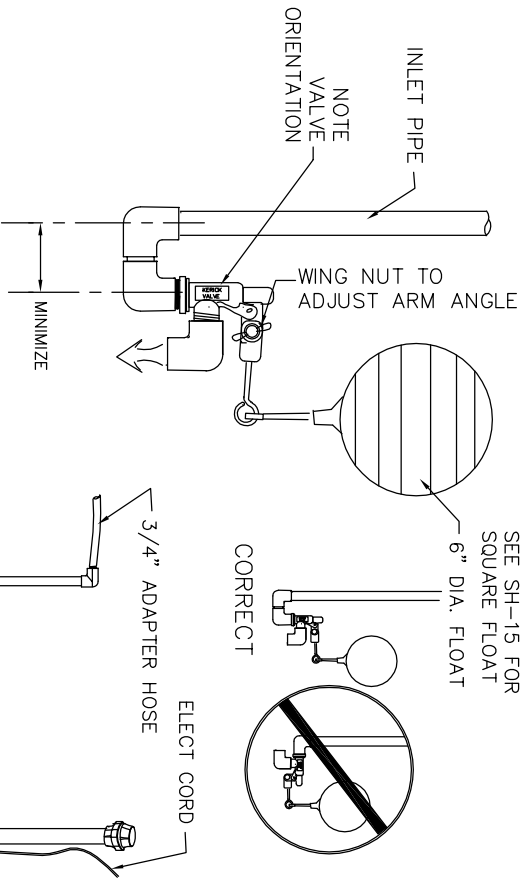
SUMP COMPONENTS ARE PROVIDED
THE END CAP TO BE GLUED ON IN FIELD.
THE TOP CAP WILL REQUIRE OPENINGS TO BE FIELD CUT
DO NOT GLUE ON TOP CAP



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FLOAT VALVE ASSEMBLY PUMP ASSEMBLY

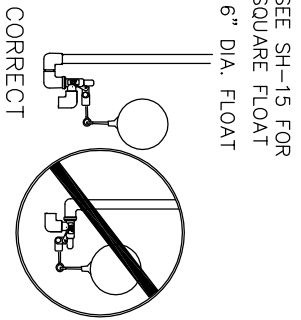
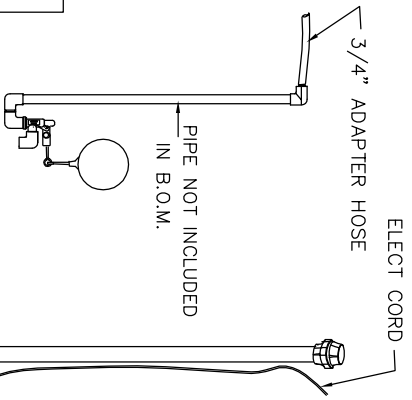


ENLARGED ASSEMBLY
SEE NEXT SHEET FOR
FLOAT VALVE ROTATION

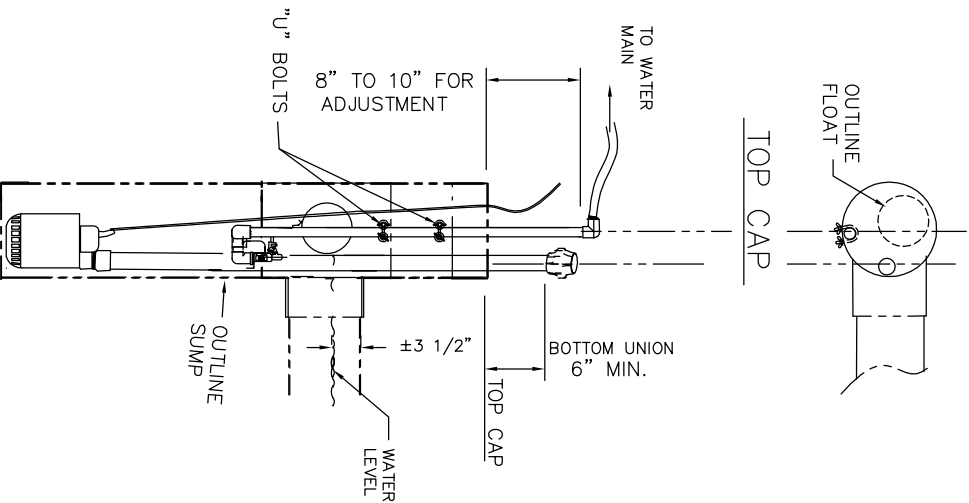
- 2 (TWO) KITS PROVIDED
Each Float Kit Includes
- 1-3/4" Float Valve
 - 1-6" dia. Black Plastic Float Ball
 - 2-90° Elbow SxS
 - 2- 3/4" MGT Adapter Hose
 - 2- U Bolts
 - 4- Nylon Wing Nuts
 - 2-1/4" Eye Bolts pre

* 3/4" PVC Pipe not included

FLOAT KIT
ASSEMBLY



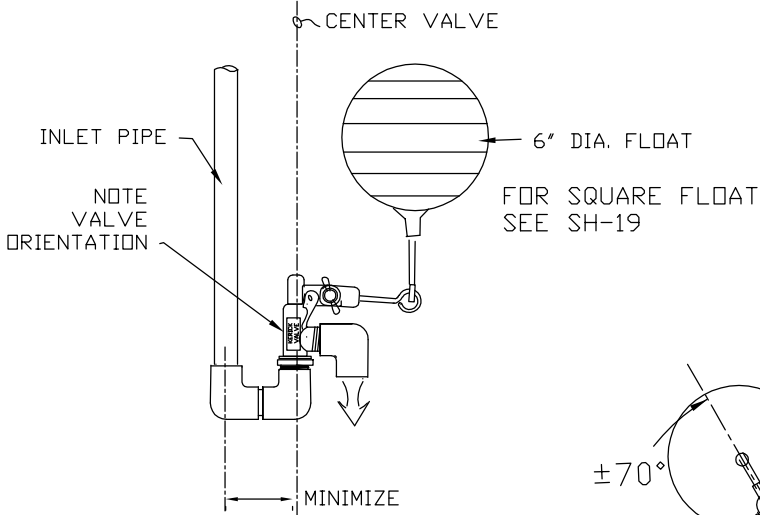
PUMP
ASSEMBLY



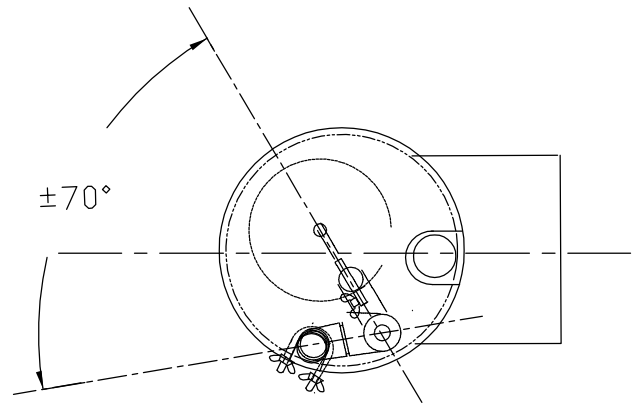
COMBINED ASSEMBLY
SHOWN IN 10" SUMP

FLOAT VALVE ASSEMBLY CONFIGURATION

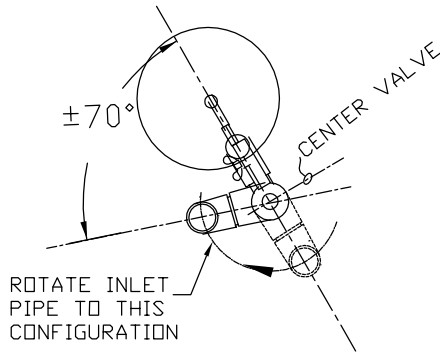
NOTE; THE VALVE SHOULD BE PLACED AGAINST THE SUMP WALL FOR IDEAL FLOAT VALVE FUNCTIONING.



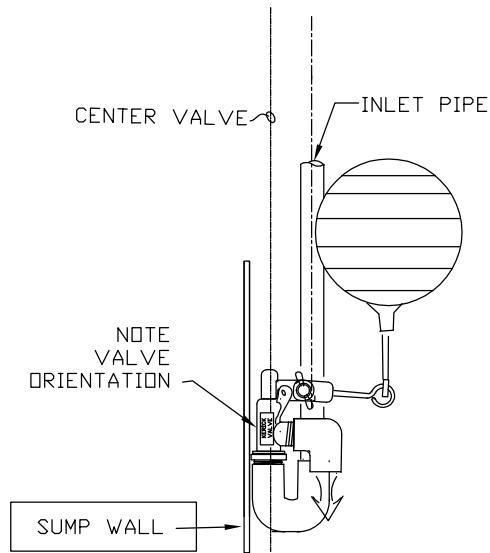
FLOAT VALVE ASSEMBLY BEFORE ROTATING



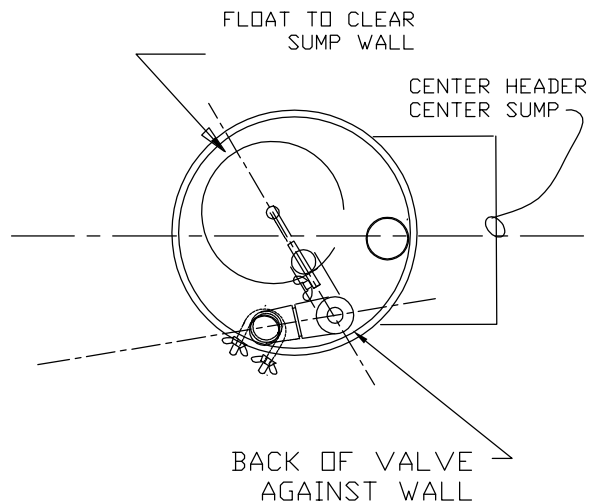
TOP CAP VIEW



TOP VIEWS

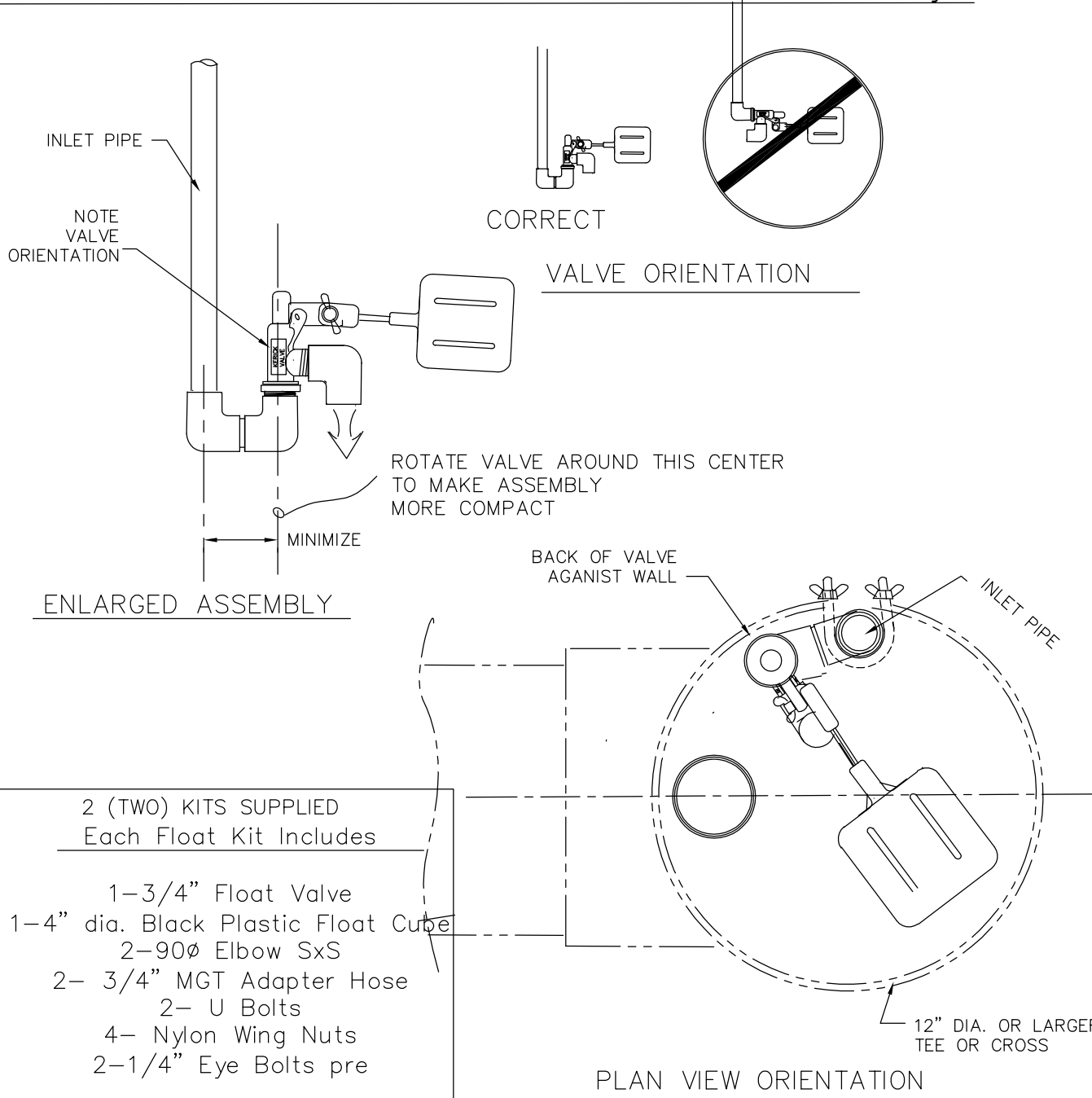


FLOAT VALVE ASSEMBLY MOST COMPACT
MUST USE THIS ARRANGEMENT FOR 10" SUMP AND 10" CROSS SUMP



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130 Dickerson Road Franklin Georgia 30217

SQUARE FLOAT & VALVE ASSEMBLY for 12" & 15" TEES only



- 2 (TWO) KITS SUPPLIED
Each Float Kit Includes
- 1-3/4" Float Valve
 - 1-4" dia. Black Plastic Float Cube
 - 2-90° Elbow SxS
 - 2- 3/4" MGT Adapter Hose
 - 2- U Bolts
 - 4- Nylon Wing Nuts
 - 2-1/4" Eye Bolts pre

* 3/4" PVC Pipe not included

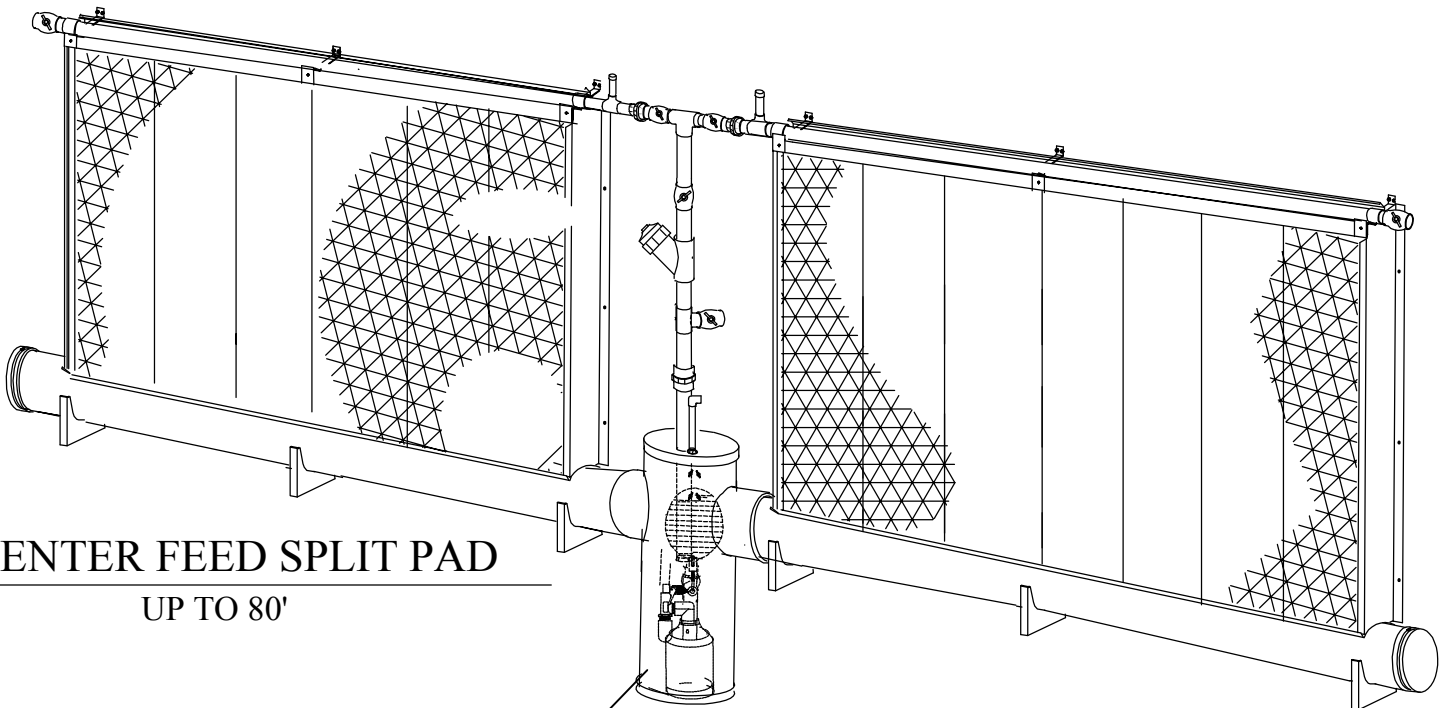
Reeves Supply Co., INC.

130 Dickerson Road— Franklin Georgia 30217
1-888-854-5221 fax 770 854 5540

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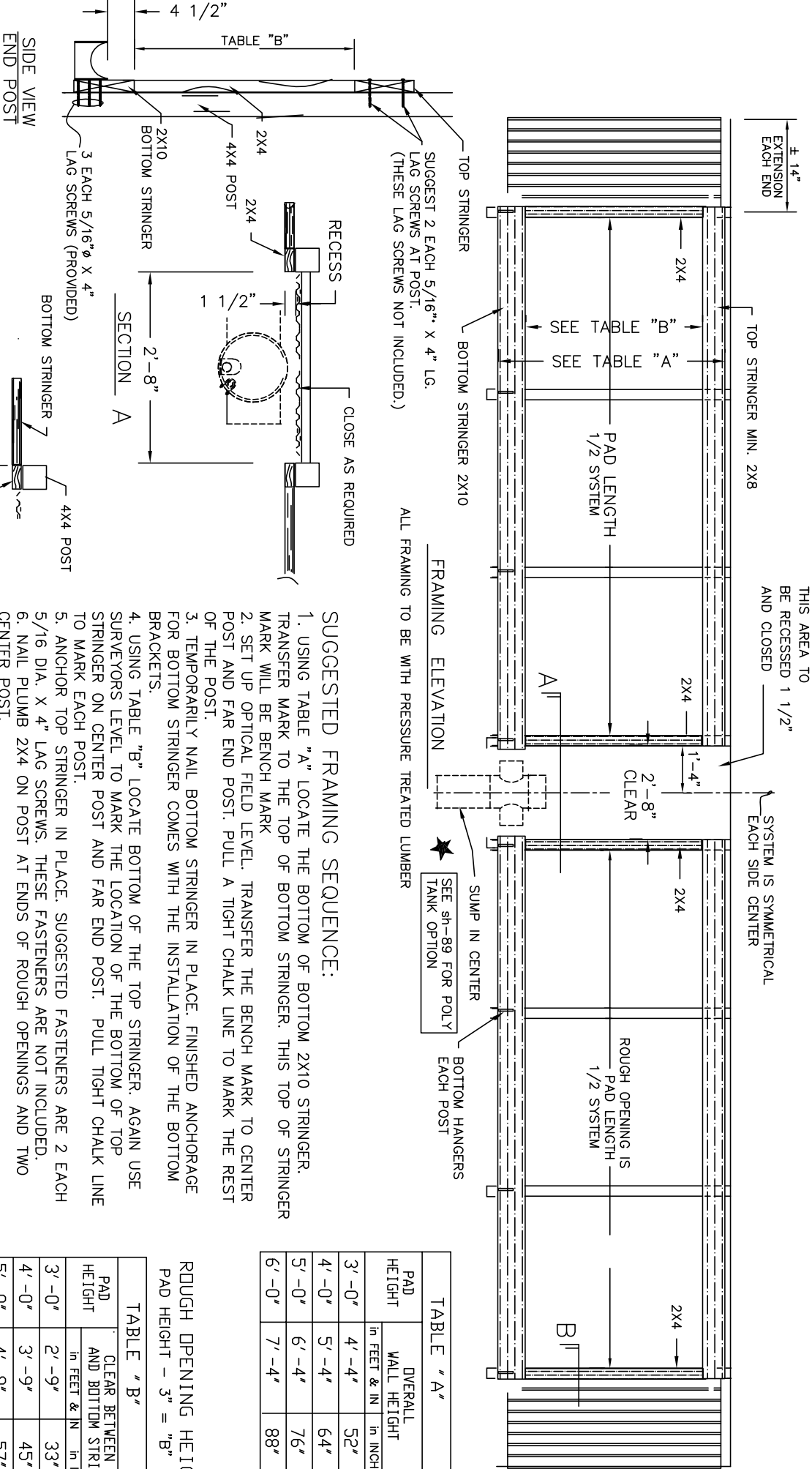
CENTER FEED SPLIT PAD

UP TO 80'



SEE sh-89 for
POLY TANK OPTION

CENTER FEED SPLIT PAD FRAMING



ALL FRAMING TO BE WITH PRESSURE TREATED LUMBER

SUGGESTED FRAMING SEQUENCE:

1. USING TABLE "A" LOCATE THE BOTTOM OF BOTTOM 2X10 STRINGER. TRANSFER MARK TO THE TOP OF BOTTOM STRINGER. THIS TOP OF STRINGER MARK WILL BE BENCH MARK
2. SET UP OPTICAL FIELD LEVEL. TRANSFER THE BENCH MARK TO CENTER POST AND FAR END POST. PULL A TIGHT CHALK LINE TO MARK THE REST OF THE POST.
3. TEMPORARILY NAIL BOTTOM STRINGER IN PLACE. FINISHED ANCHORAGE FOR BOTTOM STRINGER COMES WITH THE INSTALLATION OF THE BOTTOM BRACKETS.
4. USING TABLE "B" LOCATE BOTTOM OF THE TOP STRINGER. AGAIN USE SURVEYORS LEVEL TO MARK THE LOCATION OF THE BOTTOM OF TOP STRINGER ON CENTER POST AND FAR END POST. PULL TIGHT CHALK LINE TO MARK EACH POST.
5. ANCHOR TOP STRINGER IN PLACE. SUGGESTED FASTENERS ARE 2 EACH 5/16 DIA. X 4" LAG SCREWS. THESE FASTENERS ARE NOT INCLUDED.
6. NAIL PLUMB 2X4 ON POST AT ENDS OF ROUGH OPENINGS AND TWO CENTER POST.
7. VERIFY EACH OF THE ROUGH OPENING HORIZONTAL DIMENSIONS.
8. INSTALL THE BOTTOM BRACKETS AT CENTER OF POST AND 3 1/2" INCHES DOWN FROM TOP OF THE STRINGER WITH THREE EACH 5/16" DIA. X 4" LAG SCREWS PROVIDED. SEE SIDE VIEW THIS SHEET.

PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET & IN	in INCHES
3'-0"	4'-4"	52"
4'-0"	5'-4"	64"
5'-0"	6'-4"	76"
6'-0"	7'-4"	88"

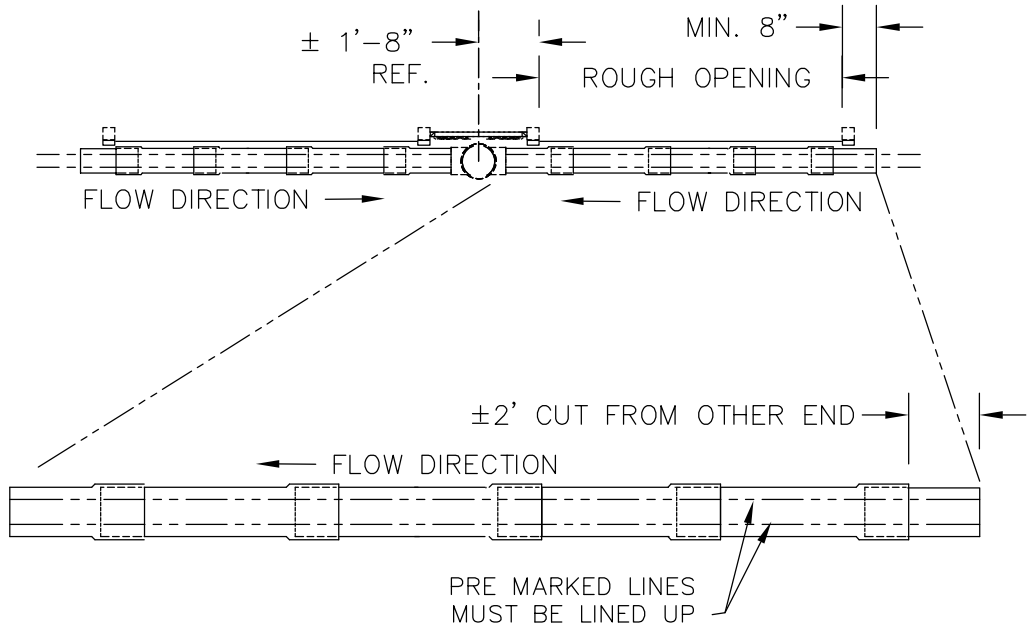
ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

PAD HEIGHT	CLEAR BETWEEN TOP AND BOTTOM STRINGER	
	in FEET & IN	in INCHES
3'-0"	2'-9"	33"
4'-0"	3'-9"	45"
5'-0"	4'-9"	57"
6'-0"	5'-9"	69"

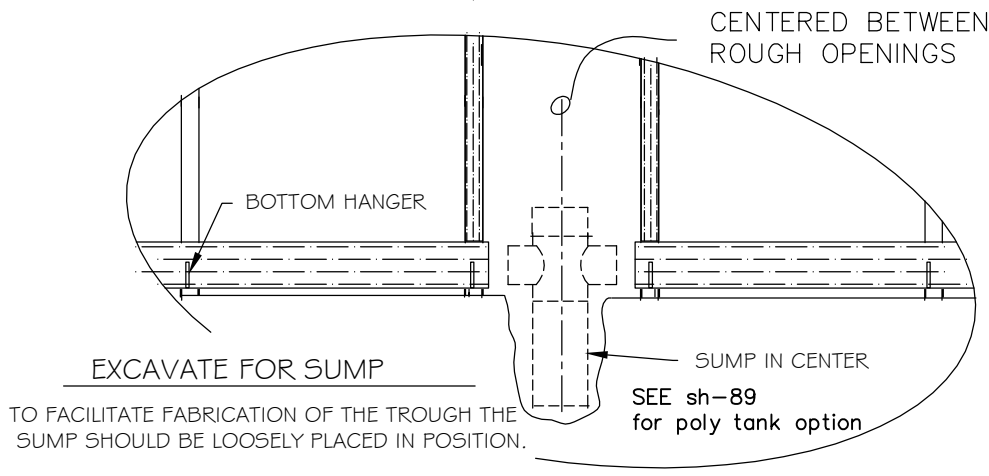
GLUE 8" PIPE TROUGH AND EXCAVATE FOR CENTER SUMP. CENTER-FEED SPLIT PAD SYSTEM

DO NOT DISTURB GLUED PIPE
UNTIL GLUE HAS CURED.

A MINIMUM OF 6' EXTRA 8" PIPE PROVIDED



ONE SIDE OF TROUGH
OTHER SIDE MIRROR THIS SIDE



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INSTALL BACK PAD SUPPORT

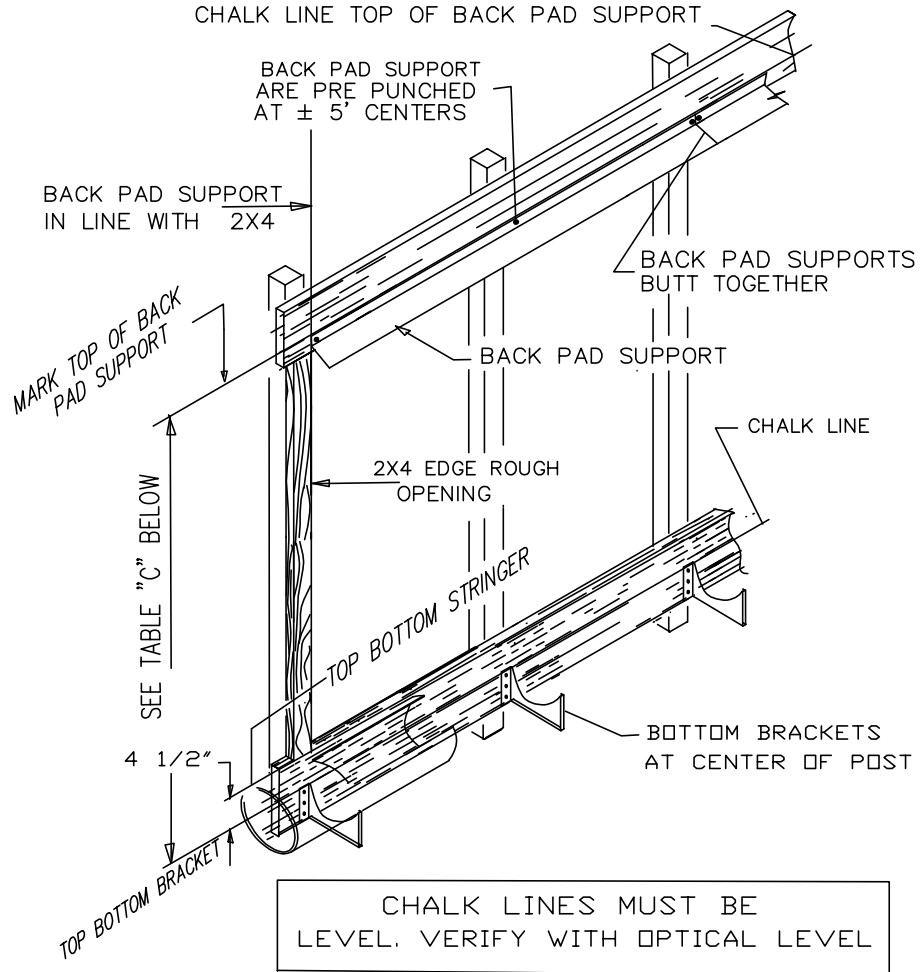
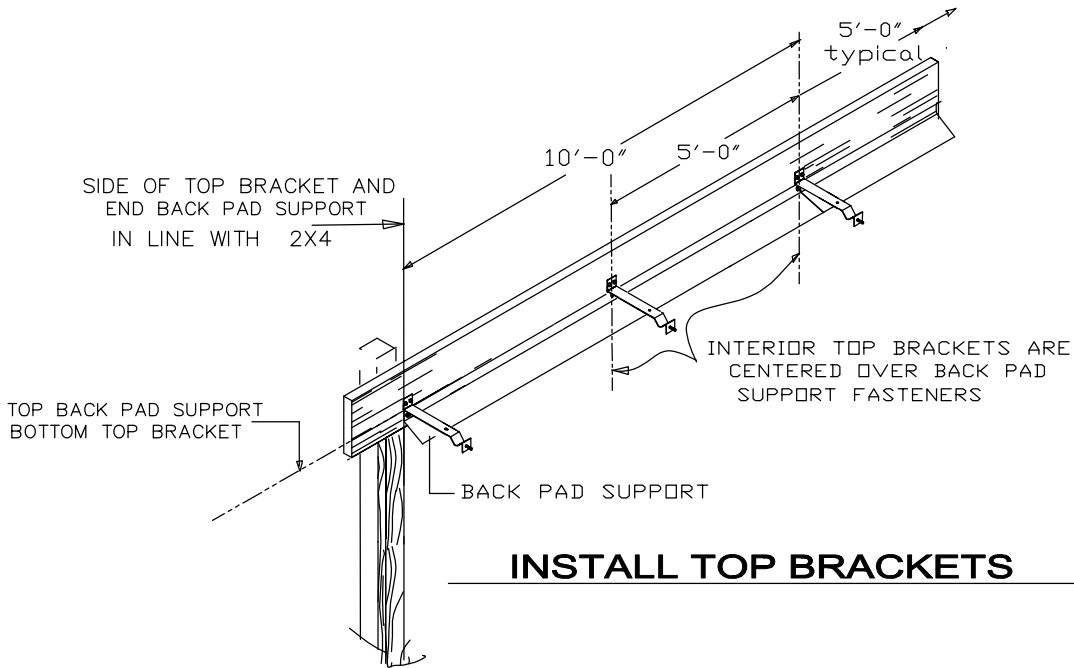
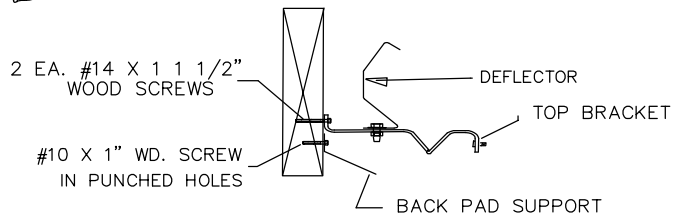


TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	IN FT. & IN.	INCHES
3' - 0"	3' - 4 1/2"	40.5"
4' - 0"	4' - 4 1/2"	52.5"
5' - 0"	5' - 4 1/2"	64.5"
6' - 0"	6' - 4 1/2"	76.5"

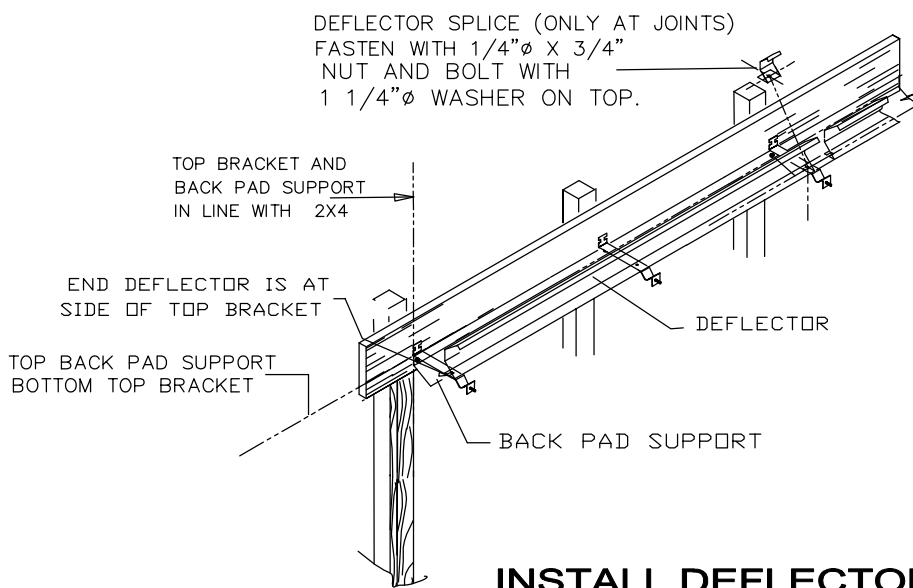
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INSTALL TOP BRACKETS



END VIEW



INSTALL DEFLECTOR

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130 Dickerson Road - Franklin Ga. 30217

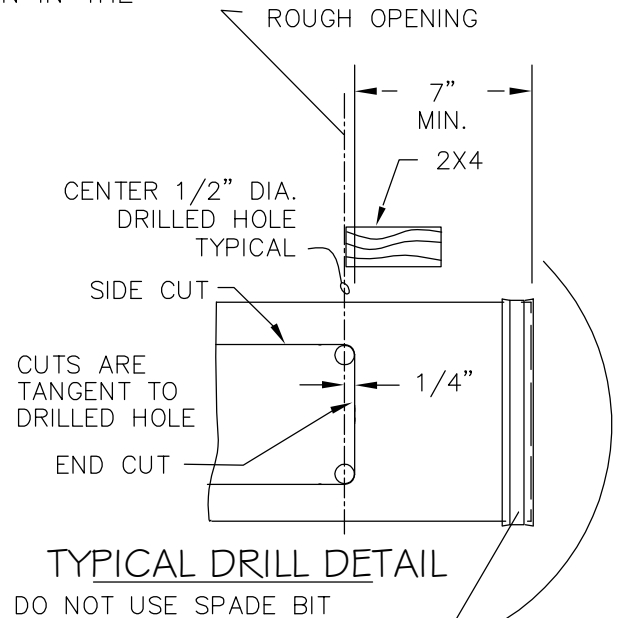
TROUGH FABRICATION

FOR CENTER- FEED SPLIT PAD SYSTEM

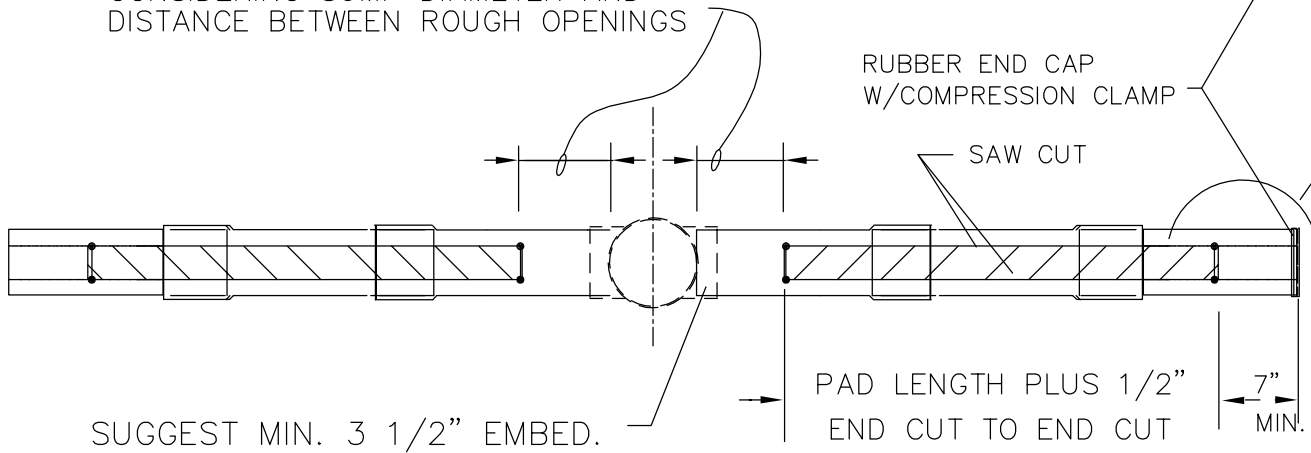
AFTER THE GLUE HAS DRIED PLACE THE ASSEMBLED PIPE ON THE BOTTOM BRACKETS EACH SIDE OF THE CENTER SUMP AND SLIDE THE PIPE AS REQUIRED TO MAKE SURE THE JOINS CLEAR THE BOTTOM BRACKETS. VERIFY A MINIMUM OF 7" PIPE EXTEND BEYOND THE ROUGH OPENINGS ON OUT SIDE EACH END. ALSO DOUBLE CHECK FLOW DIRECTION BEFORE LOCATING DRILL HOLES EACH EACH CORNER. NOW DRILL 1/2" DIA. HOLES. SEE TYPICAL DRILL DETAIL..

NOW WITH THE HELP OF AN ASSISTANT START SIDE CUTS. USE A CIRCULAR SAW WITH PLYWOOD CUTTING BLADE. DO NOT ALLOW THE CUT SECTION TO SAG DOWN IN THE PIPE. WEDGE THE CUT SECTION AS REQUIRED. MAKE THE END CUTS LAST. DO NOT OVER CUT AT THE CORNERS.

Suggest Using Jig Saw to Cut Last Couple Inches at Corners



THIS LENGTH TO BE DETERMINED CONSIDERING SUMP DIAMETER AND DISTANCE BETWEEN ROUGH OPENINGS

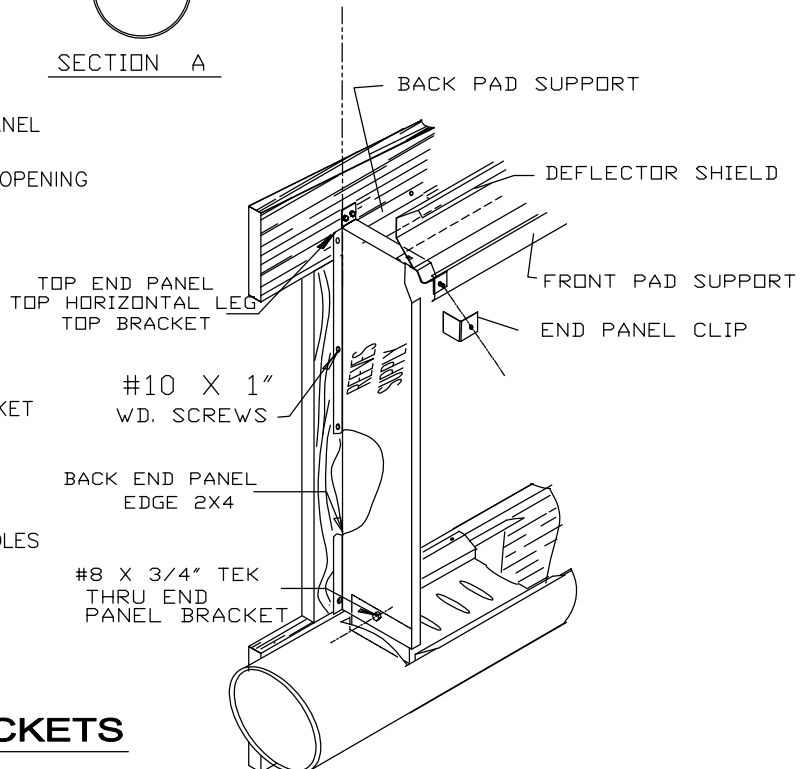
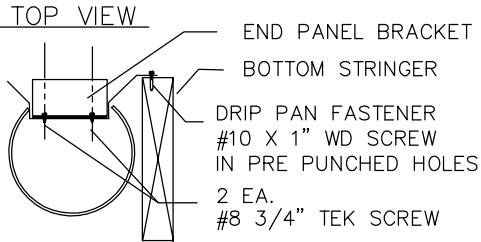
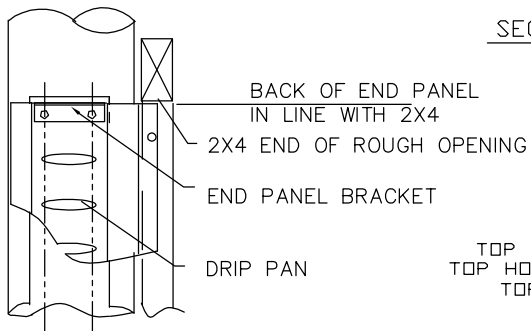
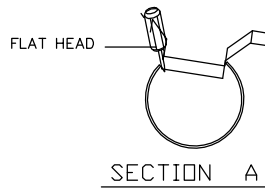
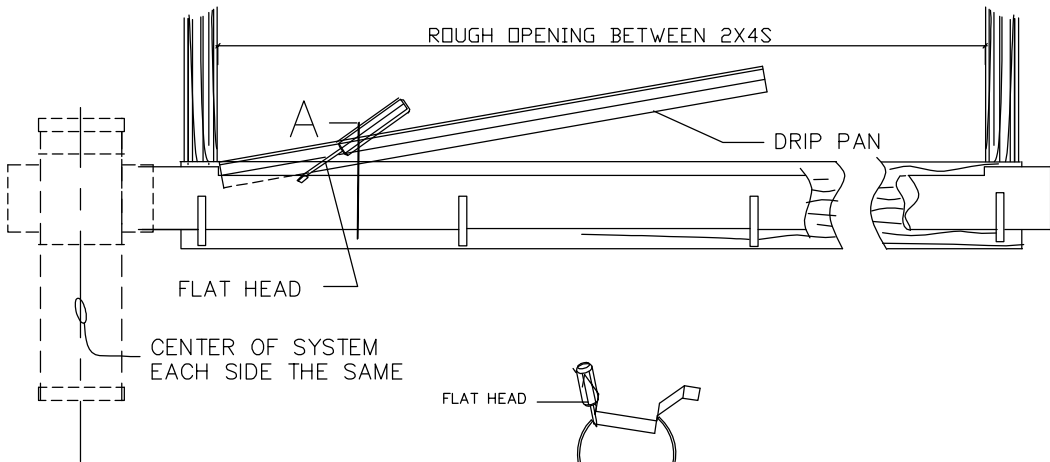


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PLACE DRIP PAN IN TROUGH

THOROUGHLY CLEAN THE TROUGH BEFORE INSTALLING THE DRIP PAN,
 DUE TO THE TIGHT FIT OF DRIP PAN IN THE TROUGH PIPE
 THE OPENING WILL MOST LIKELY REQUIRE PRYING OPEN TO "WALK IN"
 THE DRIP PAN. TYPICALLY A FLAT HEAD SCREW DRIVER WEDGED BETWEEN
 PIPE AND PAN JUST AHEAD OF THE SEATED AREA WORKS WELL. SLIGHT
 ROTATION OF THE PAN HELPS SEE SECTION "A" BELOW.



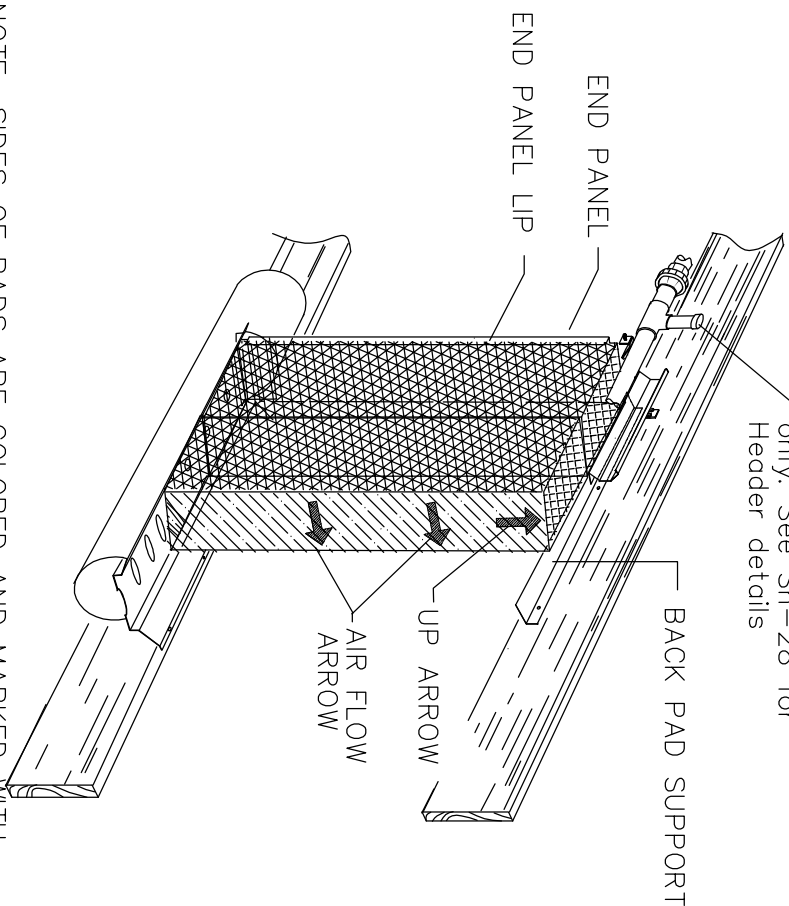
INSTALL END PANELS BRACKETS

INSTALL END PANELS BOTH ENDS

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INSTALL PADS

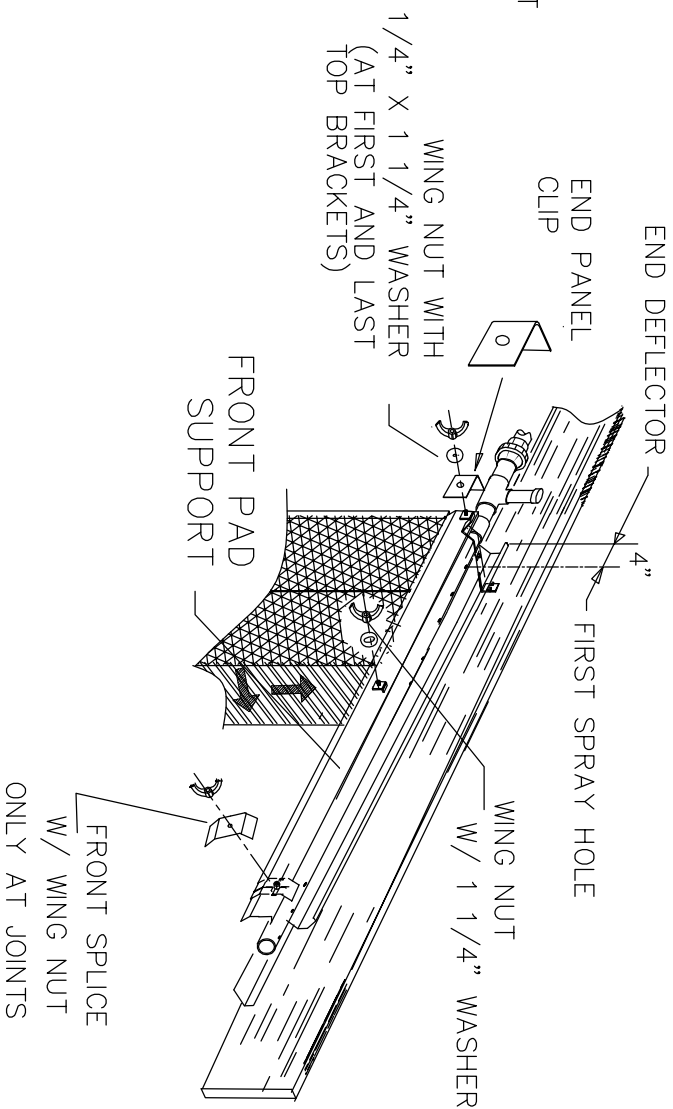
Handle Shown For Reference only. See Sh-28 for Header details



NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO SHOW CORRECT ORIENTATION OF PADS. MAKE SURE PADS ARE PLACED CORRECTLY.

"NEST THE FIRST PAD BEHIND LIP AGAINST THE END PANEL INSTALL REMAINDER OF PADS TIGHTLY AGAINST THE PREVIOUSLY INSTALLED PAD. CONTINUE UNTIL THE NEXT TO LAST PAD HAS BEEN INSTALLED. IN ORDER TO INSTALL THE LAST PAD THE NEXT-TO-LAST PAD SHOULD BE SLID BEHIND FAR END PANEL LIP. THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

INSTALL FRONT PAD SUPPORT



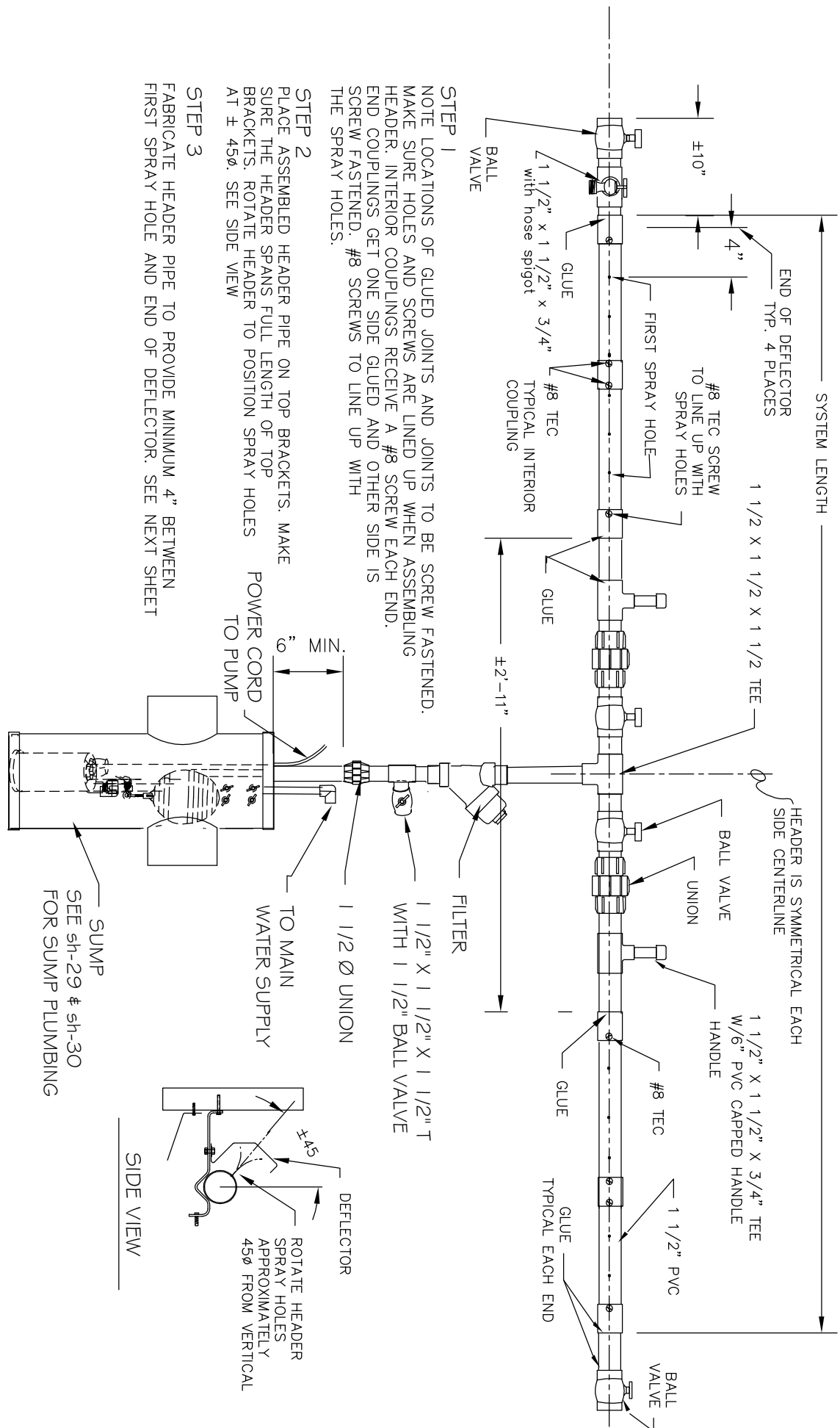
THE FRONT PANEL CAN BE INSTALLED AS PADS ARE PLACED OR AFTER ALL PADS HAVE BEEN INSTALLED.

NOTE: ON ALUMINIUM SYSTEM PEEL OFF PVC COATING AND PLACE REEVES SUPPLY STICKER ON END PANEL.

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CENTER FEED SPLIT PAD HEADER FABRICATION



STEP 1
NOTE LOCATIONS OF GLUED JOINTS AND JOINTS TO BE SCREW FASTENED. MAKE SURE HOLES AND SCREWS ARE LINED UP WHEN ASSEMBLING HEADER. INTERIOR COUPLINGS RECEIVE A #8 SCREW EACH END. END COUPLINGS GET ONE SIDE GLUED AND OTHER SIDE IS SCREW FASTENED. #8 SCREWS TO LINE UP WITH THE SPRAY HOLES.

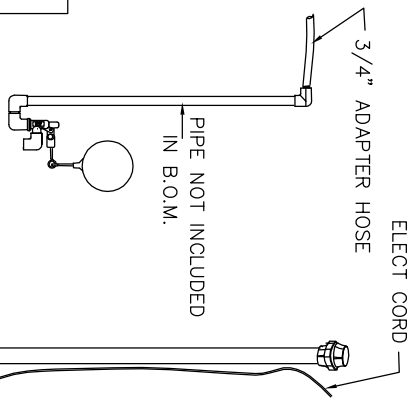
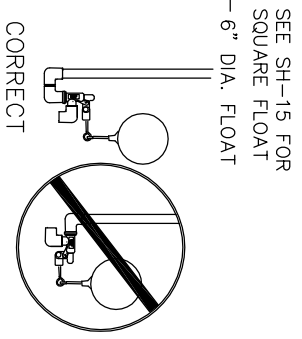
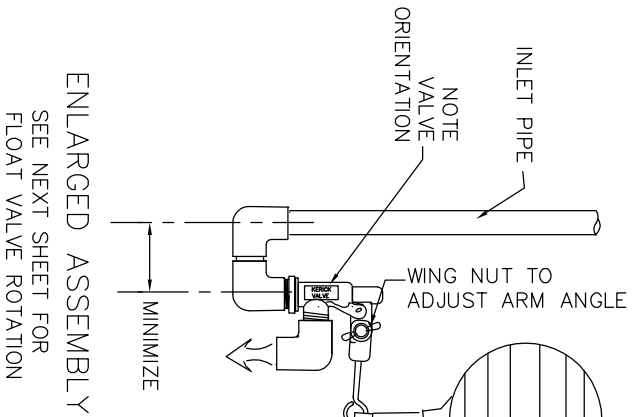
STEP 2
PLACE ASSEMBLED HEADER PIPE ON TOP BRACKETS. MAKE SURE THE HEADER SPANS FULL LENGTH OF TOP BRACKETS. ROTATE HEADER TO POSITION SPRAY HOLES AT ± 45°. SEE SIDE VIEW

STEP 3
FABRICATE HEADER PIPE TO PROVIDE MINIMUM 4" BETWEEN FIRST SPRAY HOLE AND END OF DEFLECTOR. SEE NEXT SHEET

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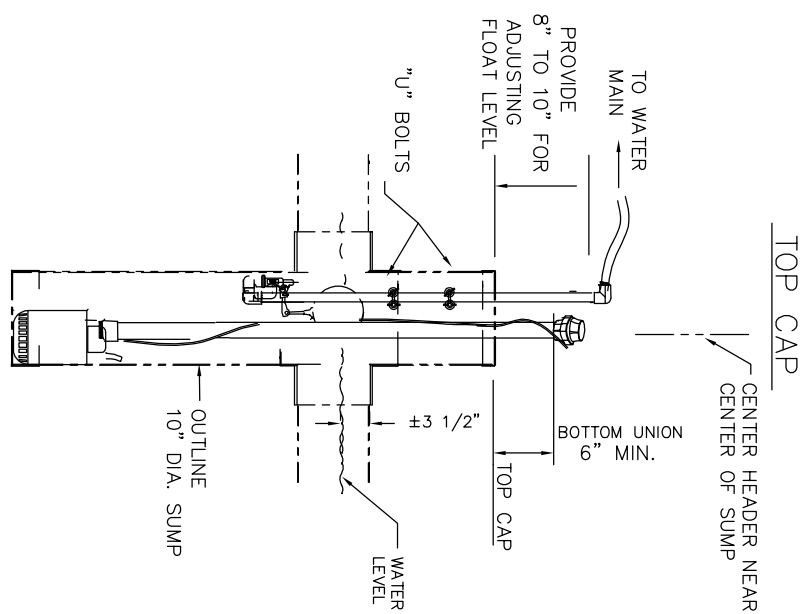
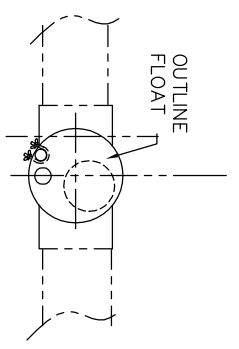
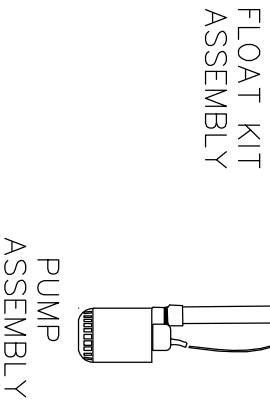
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FLOAT VALVE ASSEMBLY PUMP ASSEMBLY



- 2 (TWO) KITS PROVIDED
Each Float Kit Includes
- 1-3/4" Float Valve
 - 1-6" dia. Black Plastic Float Ball
 - 2-90° Elbow SxS
 - 2- 3/4" MGT Adapter Hose
 - 2- U Bolts
 - 4- Nylon Wing Nuts
 - 2-1/4" Eye Bolts pre

* 3/4 PVC Pipe not included



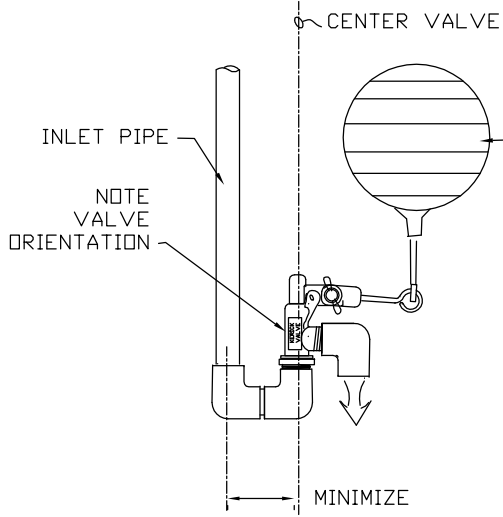
COMBINED ASSEMBLY
SHOWN IN 10" SUMP

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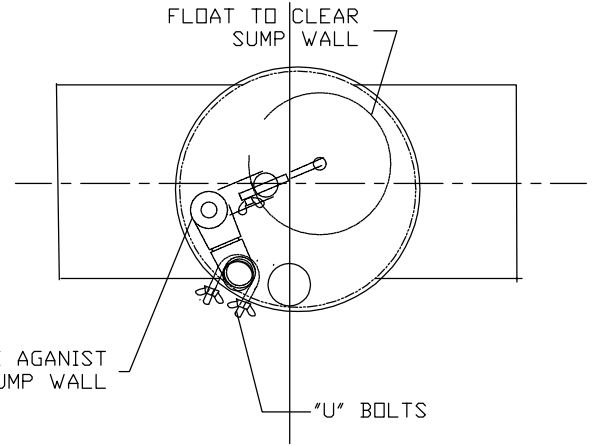
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FLOAT VALVE ASSEMBLY CONFIGURATION

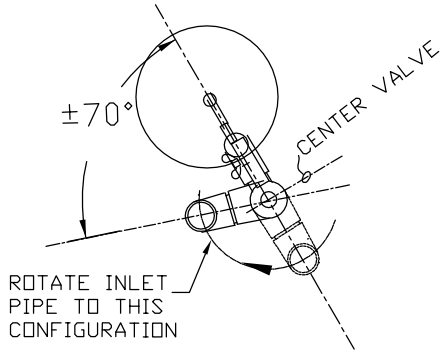
NOTE; THE VALVE SHOULD BE PLACED AGAINST THE SUMP WALL FOR IDEAL FLOAT VALVE FUNCTIONING.



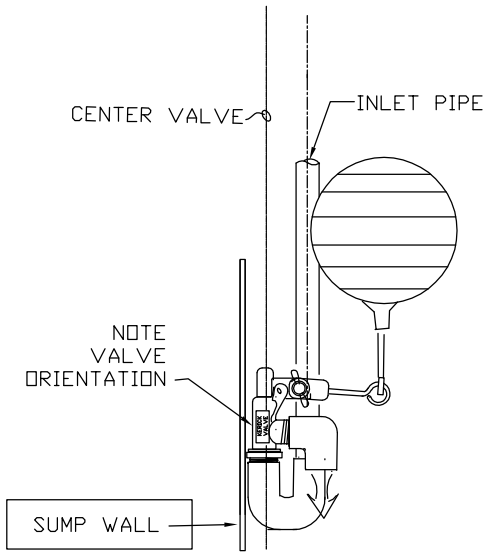
FLOAT VALVE ASSEMBLY BEFORE ROTATING



TOP SUMP VIEWS



TOP VIEWS



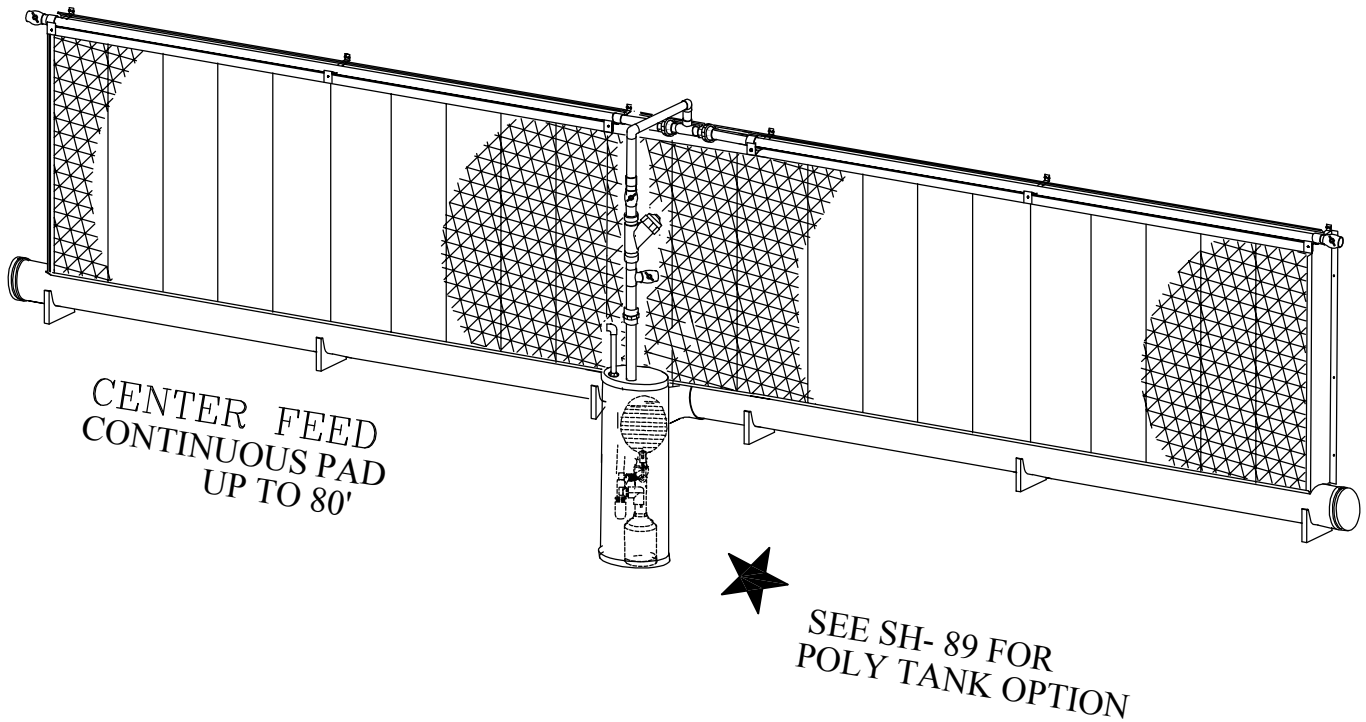
FLOAT VALVE ASSEMBLY MOST COMPACT
MUST USE THIS ARRANGEMENT FOR 10" SUMP AND 10" CROSS SUMP

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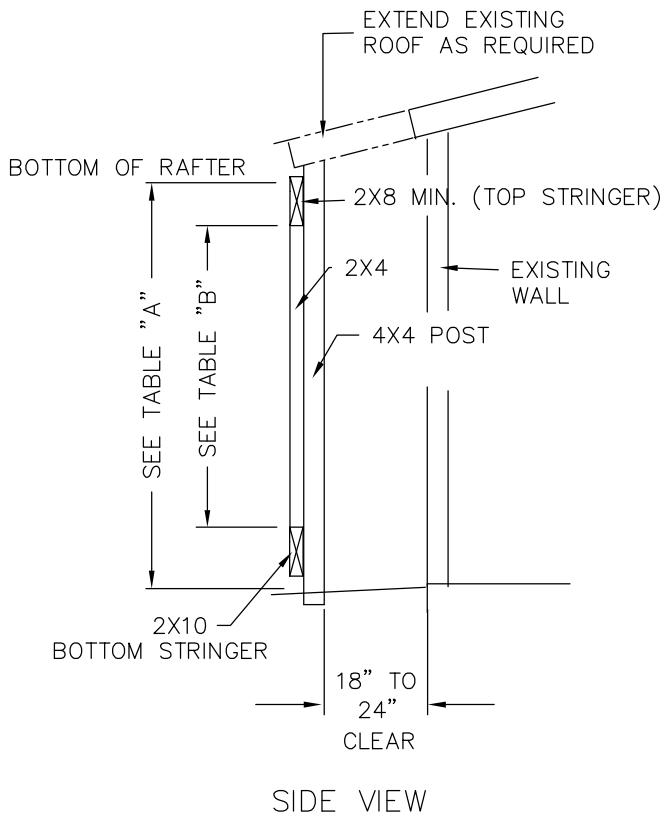
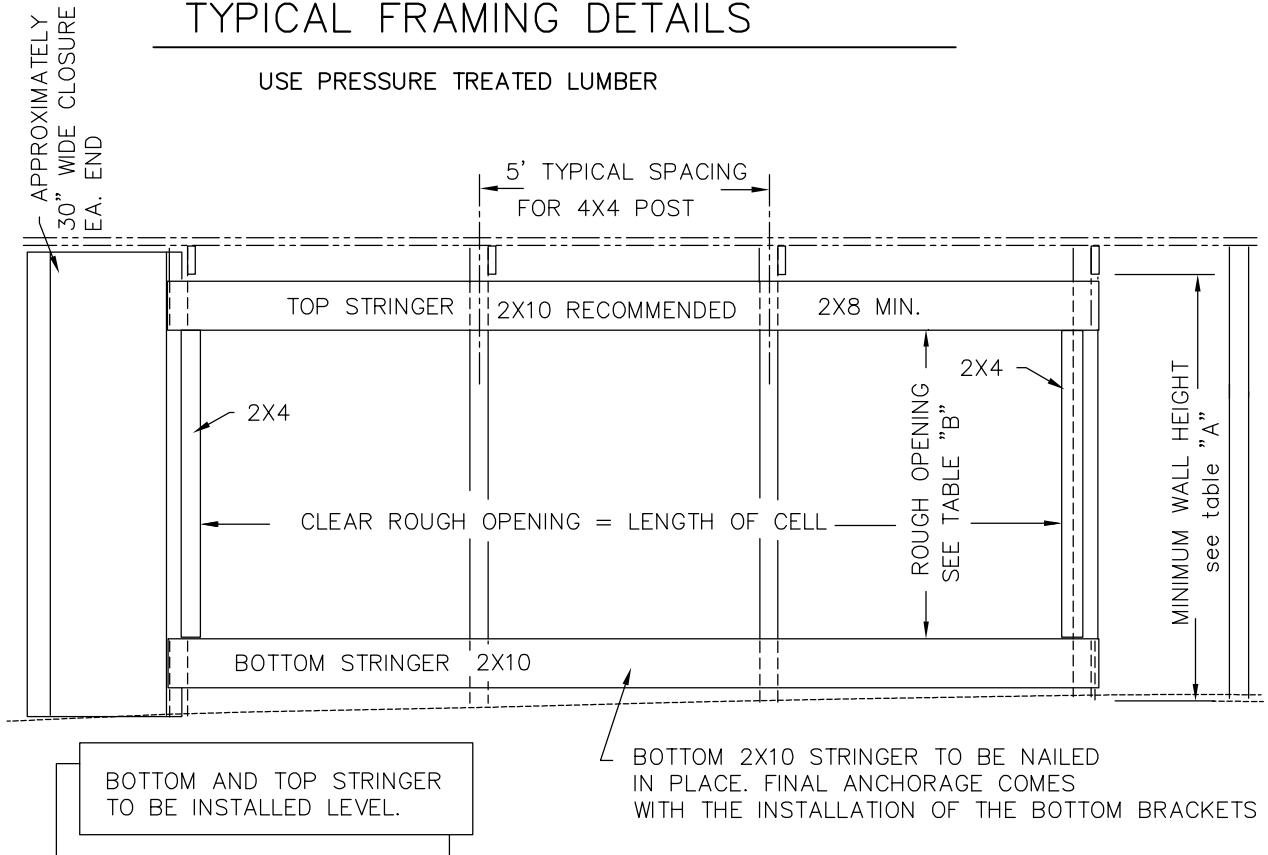
sheet no.

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TYPICAL FRAMING DETAILS

USE PRESSURE TREATED LUMBER



MINIMUM WALL HEIGHT
PAD HEIGHT + 16" = "A"

PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET & IN	in INCHES
3' - 0"	4' - 4"	52"
4' - 0"	5' - 4"	64"
5' - 0"	6' - 4"	76"
6' - 0"	7' - 4"	88"

ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

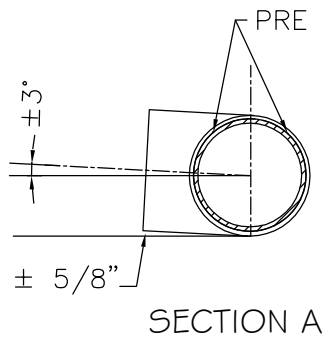
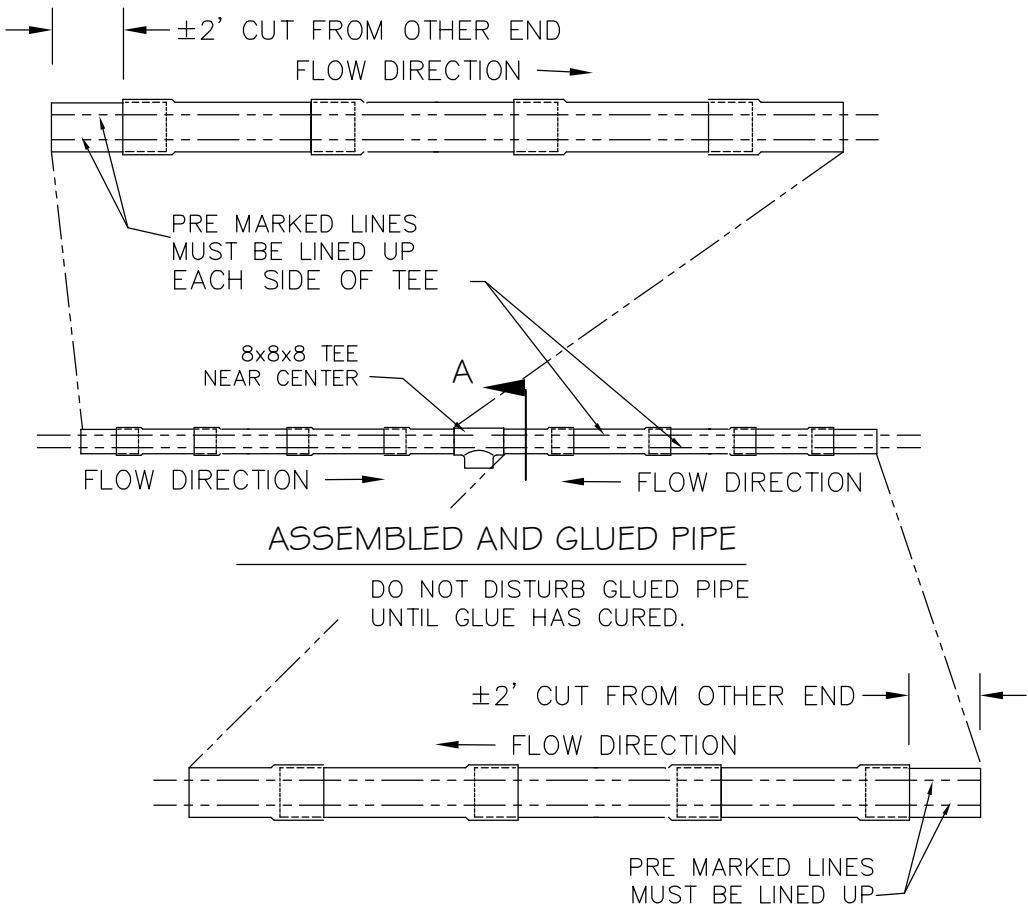
PAD HEIGHT	CLEAR BETWEEN 2X10	
	in FEET & IN	in INCHES
3' - 0"	2' - 9"	33"
4' - 0"	3' - 9"	45"
5' - 0"	4' - 9"	57"
6' - 0"	5' - 9"	69"

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GLUE 8" PIPE TROUGH
CENTER-FEED CONTINUOUS PAD SYSTEM

A MINIMUM OF 2' EXTRA 8" PIPE PROVIDED



WHEN ASSEMBLING THE 8" PIPE WITH CENTER TEE THE TEE SHOULD BE ROTATED SLIGHTLY UPWARDS. THE REASON BEING THE DRIP PAN IS SLIGHTLY WIDER THAN THE CUT. WHEN THE DRIP PAN IS WORKED IN THE CUT OUT THE TEE WILL LEVEL OUT WHEN STREACHED OUT.

DO NOT ROTATE THE PIPE
ROTATE ONLY THE TEE.

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INSTALL BACK PAD SUPPORT

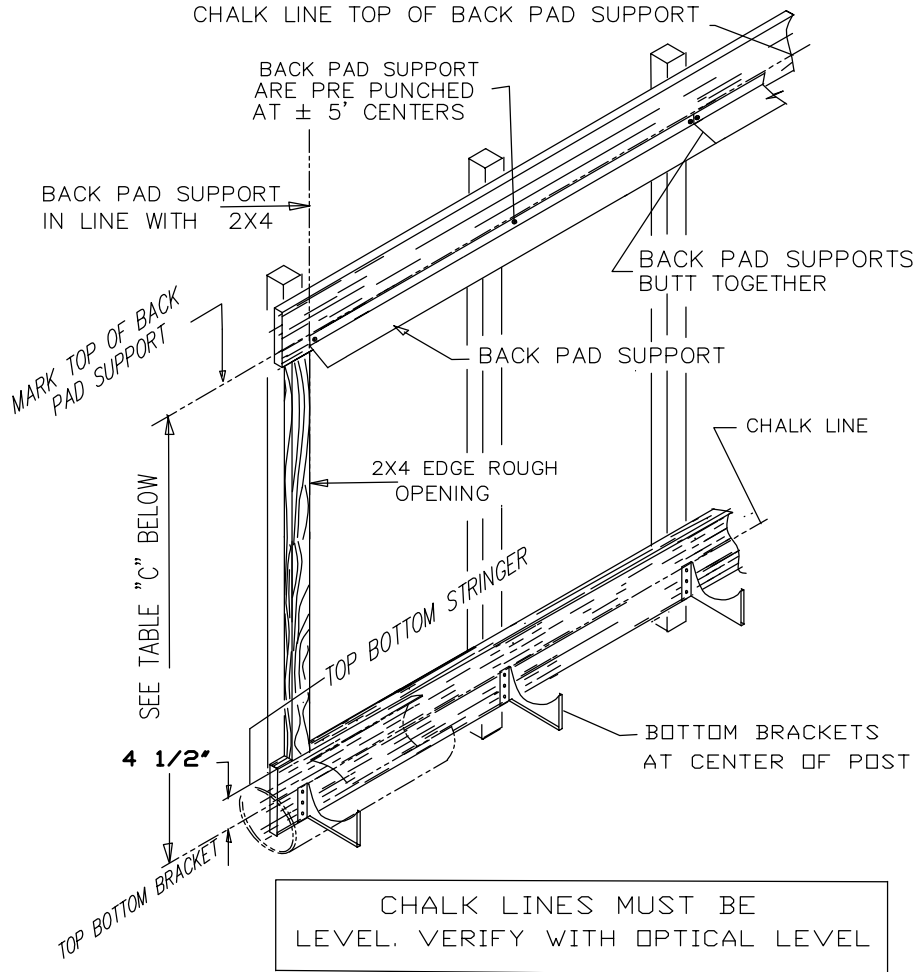
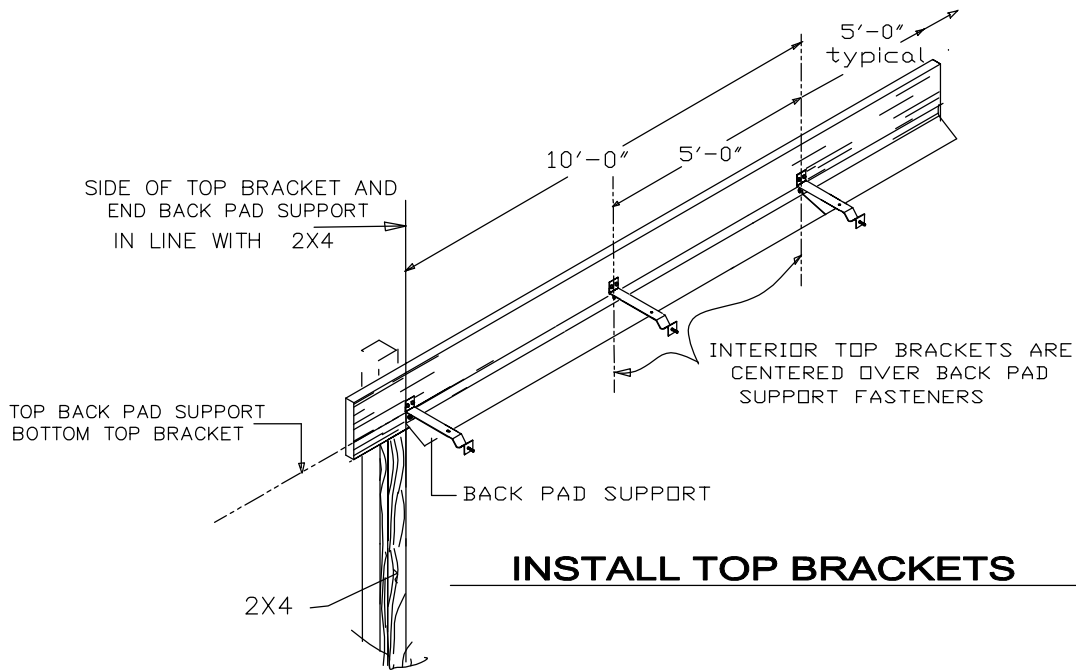
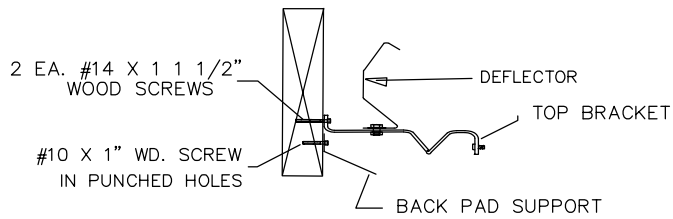


TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	IN FT. & IN.	INCHES
3' - 0"	3' - 4 1/2"	40.5"
4' - 0"	4' - 4 1/2"	52.5"
5' - 0"	5' - 4 1/2"	64.5"
6' - 0"	6' - 4 1/2"	76.5"

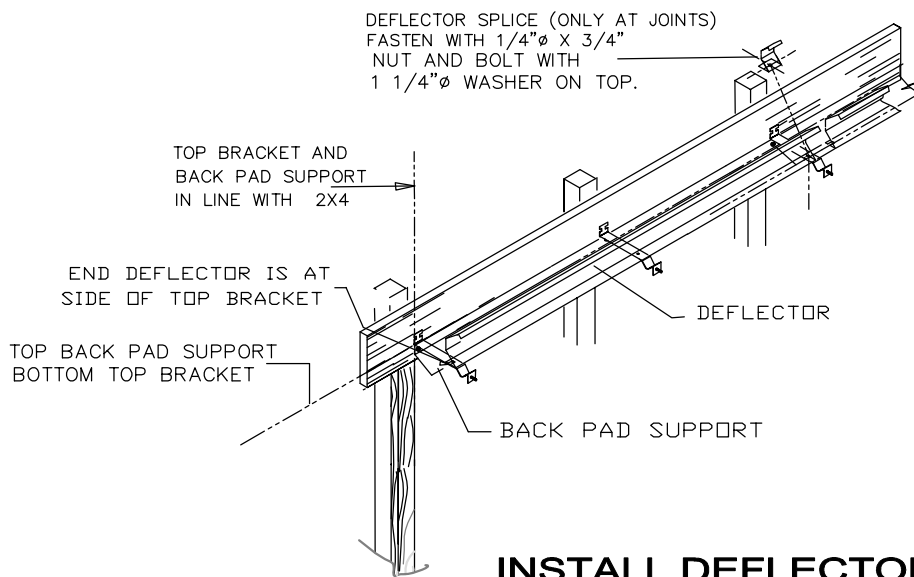
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INSTALL TOP BRACKETS



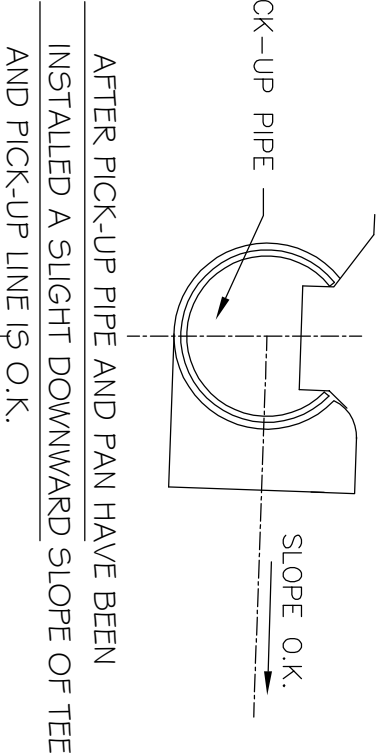
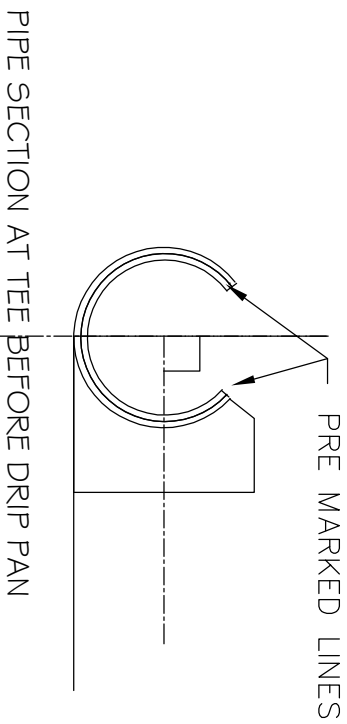
END VIEW



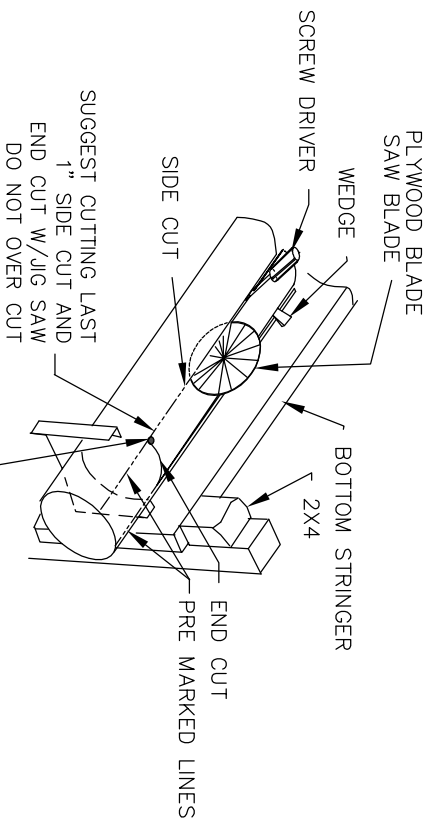
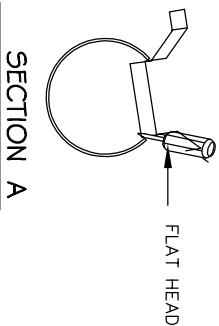
INSTALL DEFLECTOR

TROUGH FABRICATION DETAILS

TROUGH CUTTING TECHNIQUES



AFTER PICK-UP PIPE AND PAN HAVE BEEN INSTALLED A SLIGHT DOWNWARD SLOPE OF TEE AND PICK-UP LINE IS O.K.

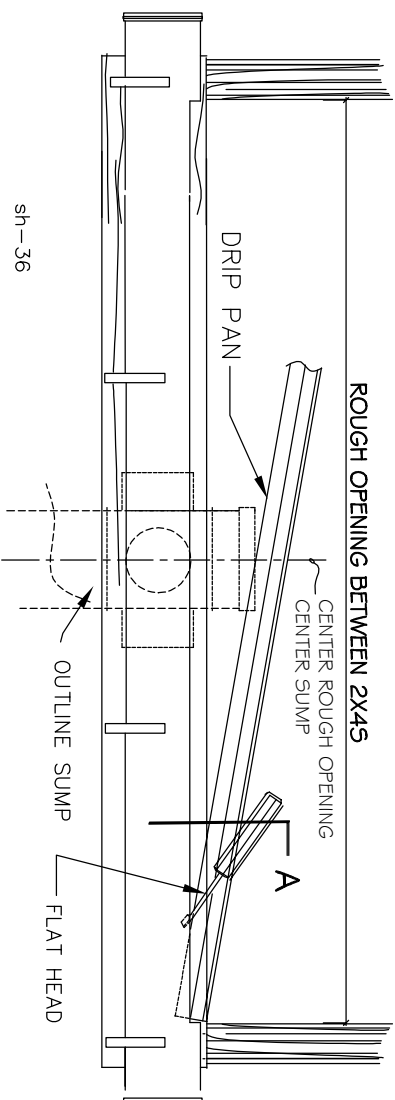


TROUGH CUTTING TECHNIQUES
 THE ABOVE SKETCH ILLUSTRATES STEPS OF HOW TO CUT THE PIPE TO AVOID PINCHING THE SAW BLADE. IN GENERAL THE GOAL IS TO PREVENT THE CUT OUT SECTION FROM SAGGING DOWN INTO THE PIPE SAGGING DOWN INTO THE PIPE THUS PINCHING THE SAW BLADE RESULTING IN KICK BACK AND POSSIBLY SPLIT THE PIPE

sh-9

PLACE DRIP PAN IN TROUGH

THOROUGHLY CLEAN THE TROUGH BEFORE INSTALLING THE DRIP PAN, DUE TO THE TIGHT FIT OF DRIP PAN IN THE TROUGH PIPE THE OPENING WILL MOST LIKELY REQUIRE PRYING OPEN TO "WALK IN" THE DRIP PAN. TYPICALLY A FLAT HEAD SCREW DRIVER WEDGED BETWEEN PIPE AND PAN JUST AHEAD OF THE SEATED AREA WORKS WELL. SLIGHT ROTATION OF THE PAN HELPS SEE SECTION "A" BELOW.

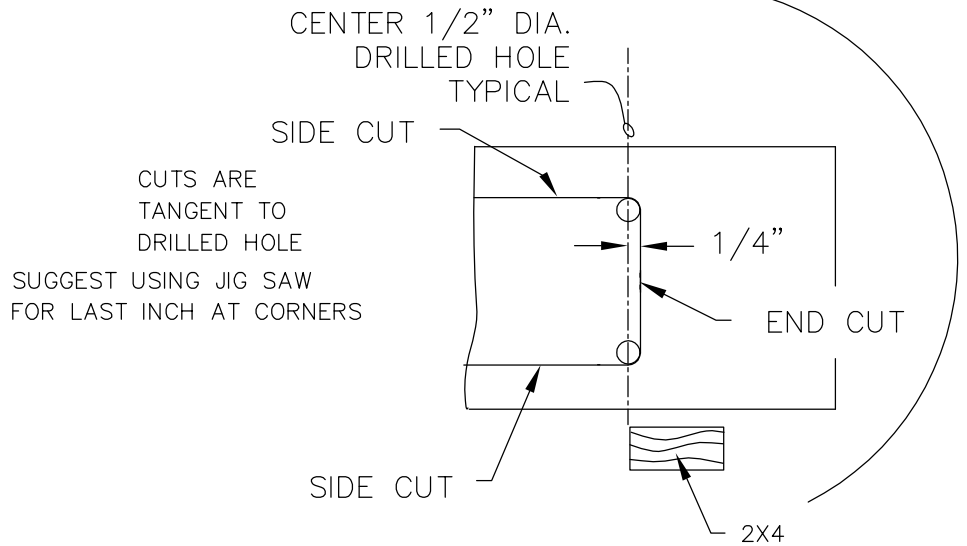
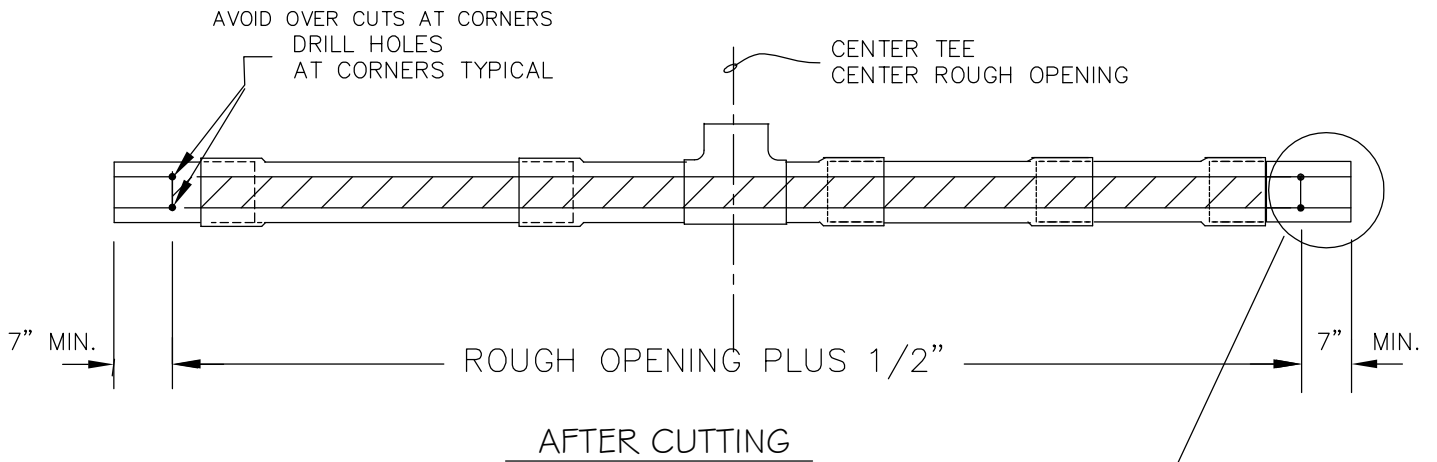


CUT PIPE FOR DRIP PAN

FOR CONTINUOUS PAD SYSTEMS

SEE SH-36 BEFORE CUTTING PIPE

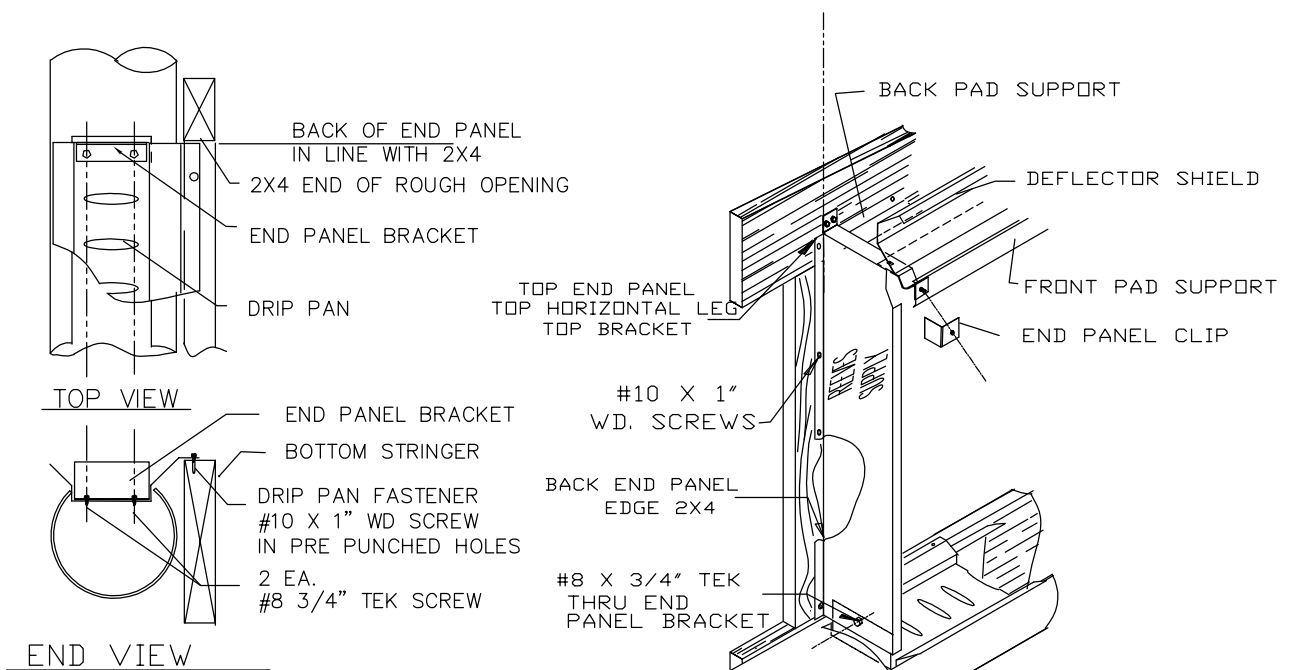
AFTER THE GLUE HAS DRIED PLACE THE ASSEMBLED PIPE ON THE BOTTOM BRACKETS AND SLIDE ASSEMBLY AS REQUIRED TO MAKE SURE THE JOINTS CLEAR THE BOTTOM BRACKETS. NOW LOCATE THE 4 CORNERS OF CUT OUT. DRILL 1/2" DIA. HOLES AT CORNERS. MAKE SURE EDGE OF HOLES ARE TANGENT TO SIDE CUTS AND END CUTS. SEE TYPICAL DRILL DETAIL BELOW.



TYPICAL DRILL DETAIL
DO NOT USE SPADE BIT

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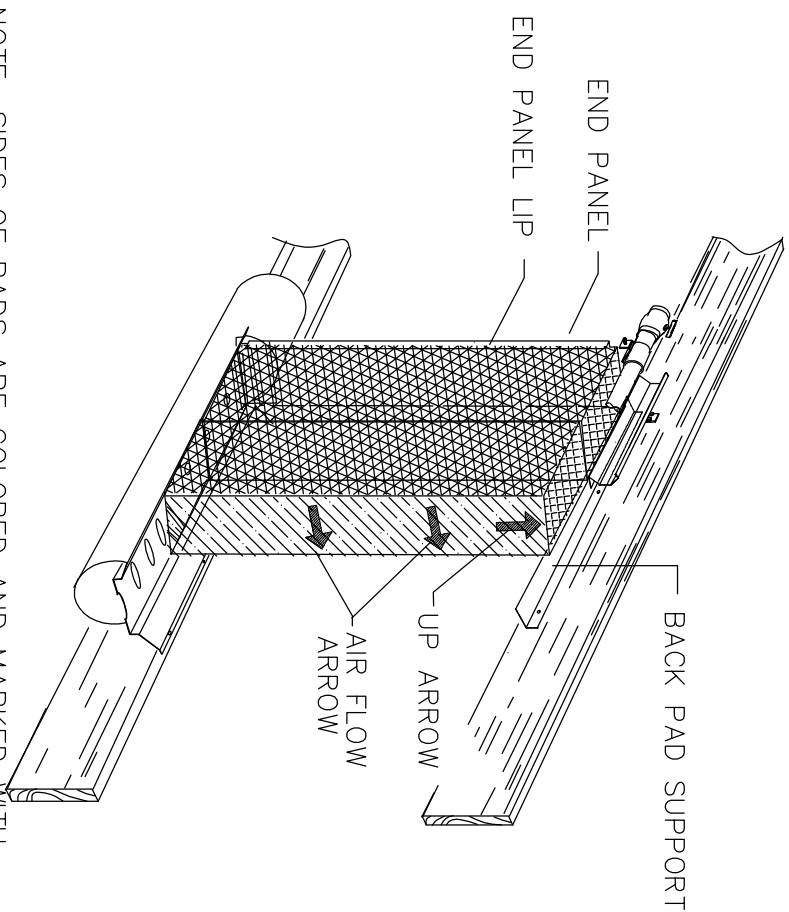


INSTALL END PANELS BRACKETS

INSTALL END PANELS
BOTH ENDS

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130 Dickerson Road - Franklin Ga. 30217

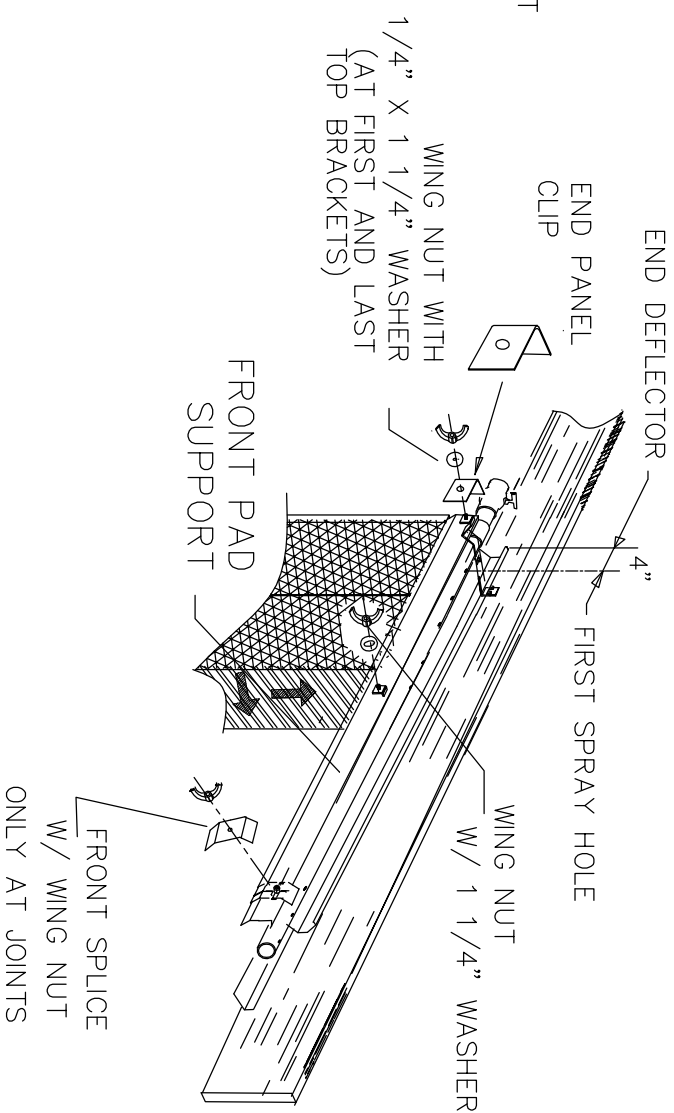
INSTALL PADS



NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO SHOW CORRECT ORIENTATION OF PADS. MAKE SURE PADS ARE PLACED CORRECTLY.

"NEST THE FIRST PAD BEHIND LIP AGAINST THE END PANEL INSTALL REMAINDER OF PADS TIGHTLY AGAINST THE PREVIOUSLY INSTALLED PAD. CONTINUE UNTIL THE NEXT TO LAST PAD HAS BEEN INSTALLED. IN ORDER TO INSTALL THE LAST PAD THE NEXT-TO-LAST PAD SHOULD BE SLID BEHIND FAR END PANEL LIP. THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

INSTALL FRONT PAD SUPPORT



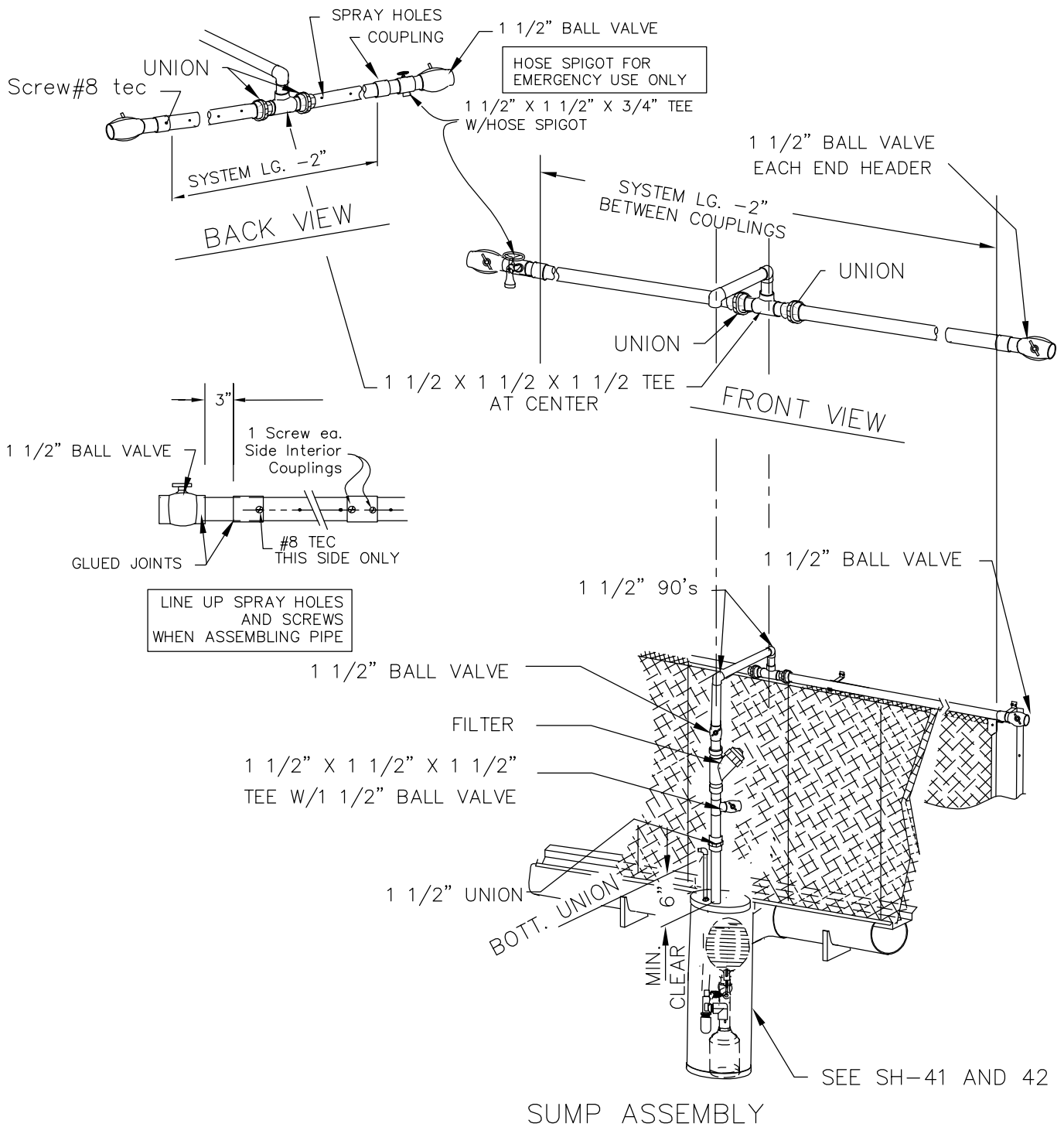
THE FRONT PANEL CAN BE INSTALLED AS PADS ARE PLACED OR AFTER ALL PADS HAVE BEEN INSTALLED.

NOTE: ON ALUMINIUM SYSTEM PEEL OFF PVC COATING AND PLACE REEVES SUPPLY STICKER ON END PANEL.

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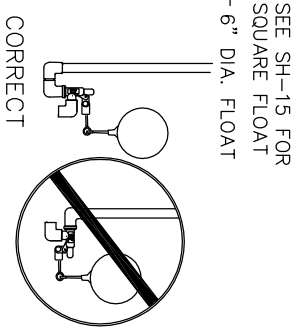
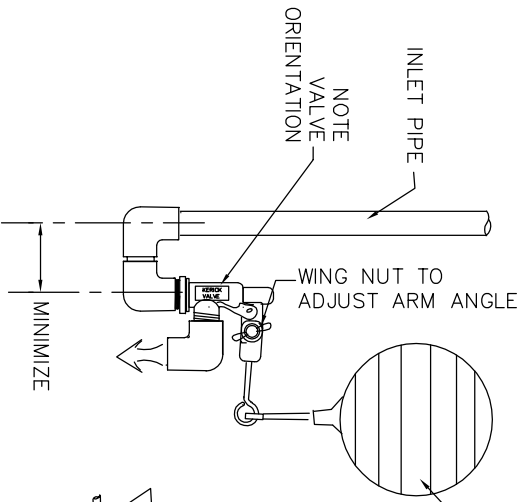
HEADER PIPE FOR CENTER FEED CONTINUOUS PAD



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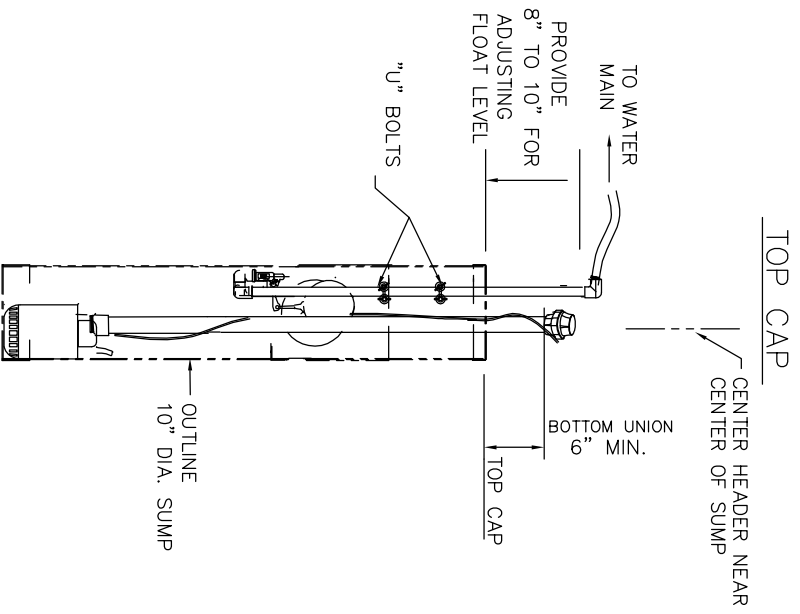
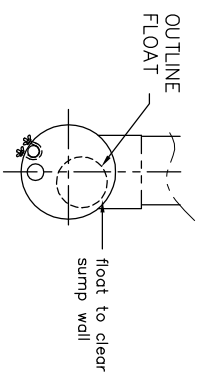
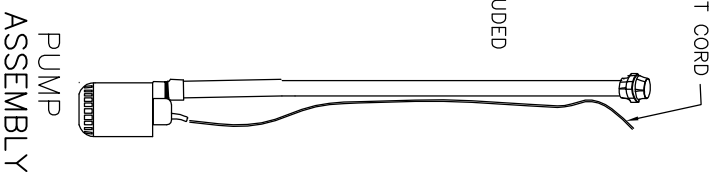
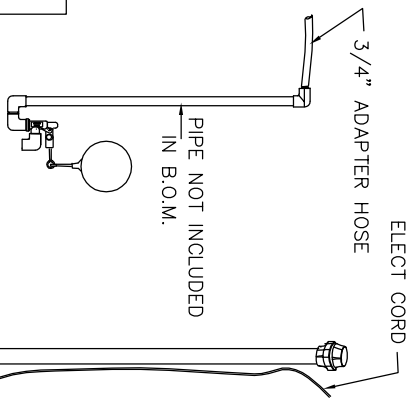
FLOAT VALVE ASSEMBLY PUMP ASSEMBLY



ENLARGED ASSEMBLY
SEE NEXT SHEET FOR
FLOAT VALVE ROTATION

- 2 (TWO) KITS PROVIDED
Each Float Kit Includes
- 1-3/4" Float Valve
 - 1-6" dia. Black Plastic Float Ball
 - 2-90° Elbow SxS
 - 2- 3/4" MGT Adapter Hose
 - 2- U Bolts
 - 4- Nylon Wing Nuts
 - 2-1/4" Eye Bolts pre

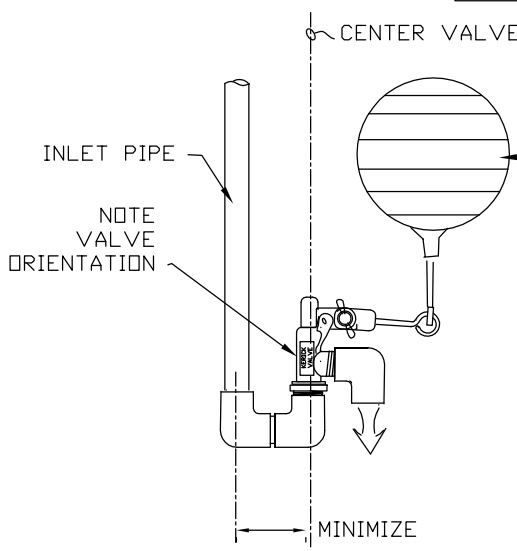
* 3/4" PVC Pipe not included



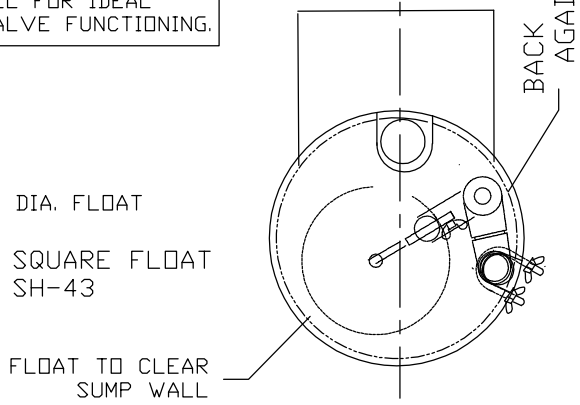
COMBINED ASSEMBLY
SHOWN IN 10" SUMP

FLOAT VALVE ASSEMBLY CONFIGURATION

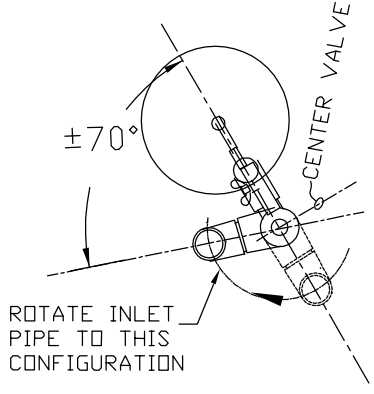
NOTE; THE VALVE SHOULD BE PLACED AGAINST THE SUMP WALL FOR IDEAL FLOAT VALVE FUNCTIONING.



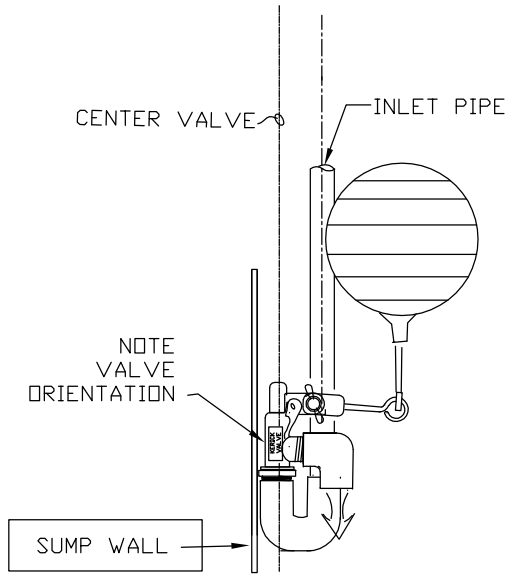
FLOAT VALVE ASSEMBLY BEFORE ROTATING



TOP CAP VIEW



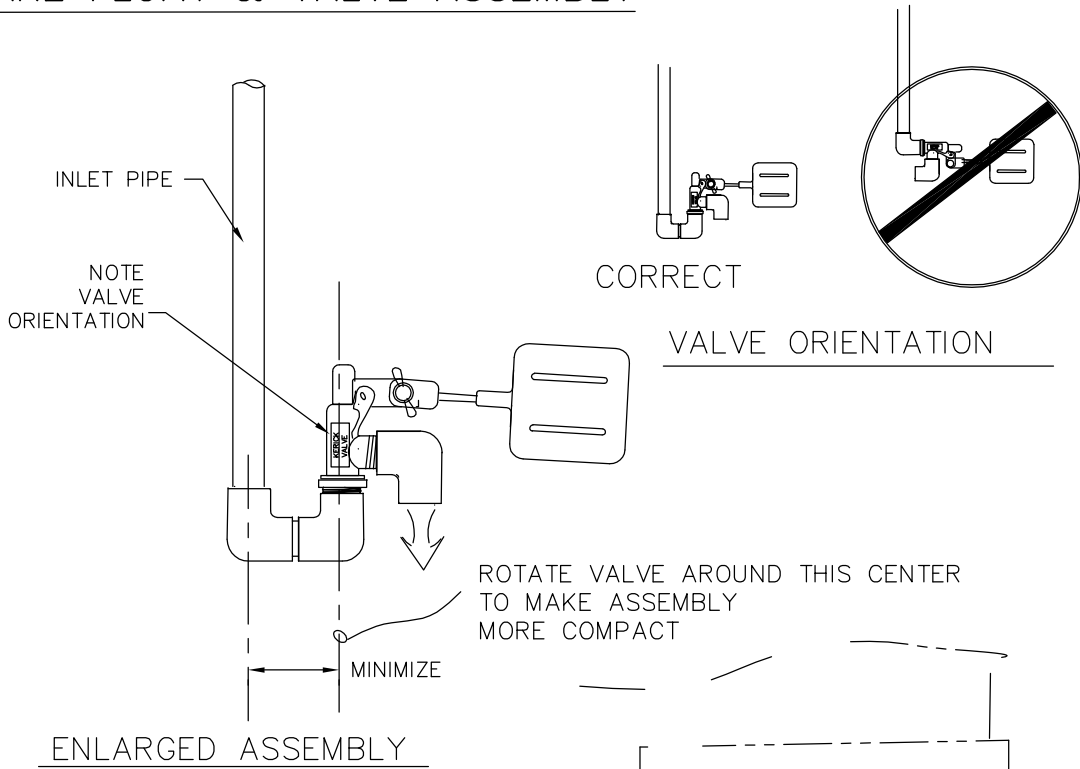
TOP VIEWS



FLOAT VALVE ASSEMBLY MOST COMPACT MUST USE THIS ARRANGEMENT FOR 10" SUMP AND 10" CROSS SUMP

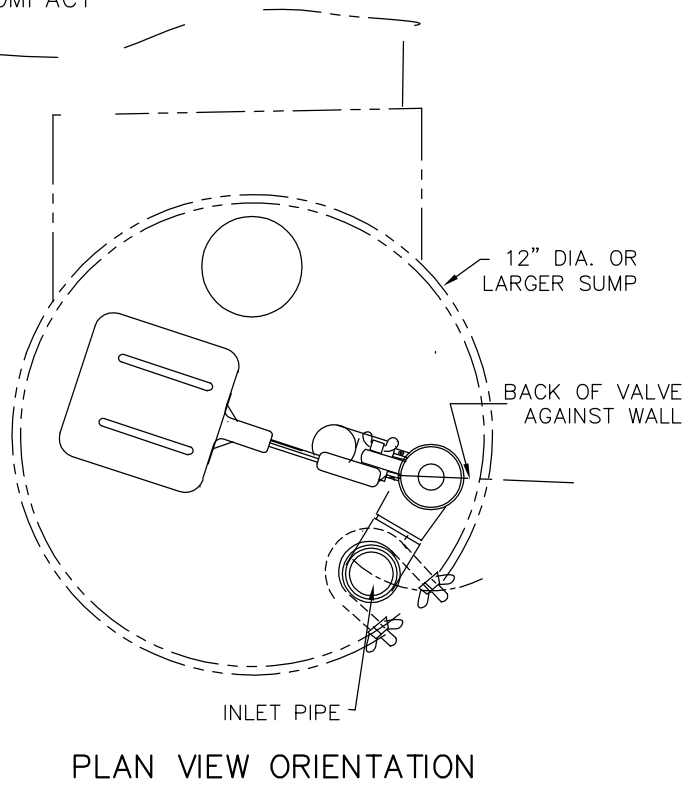
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SQUARE FLOAT & VALVE ASSEMBLY



- | |
|--|
| <p>2 (TWO) KITS SUPPLIED</p> <p>Each Float Kit Includes</p> <hr/> <p>1-3/4" Float Valve</p> <p>1-4" dia. Black Plastic Float Cube</p> <p>2-90° Elbow SxS</p> <p>2- 3/4" MGT Adapter Hose</p> <p>2- U Bolts</p> <p>4- Nylon Wing Nuts</p> <p>2-1/4" Eye Bolts pre</p> |
|--|

* 3/4 PVC Pipe not included



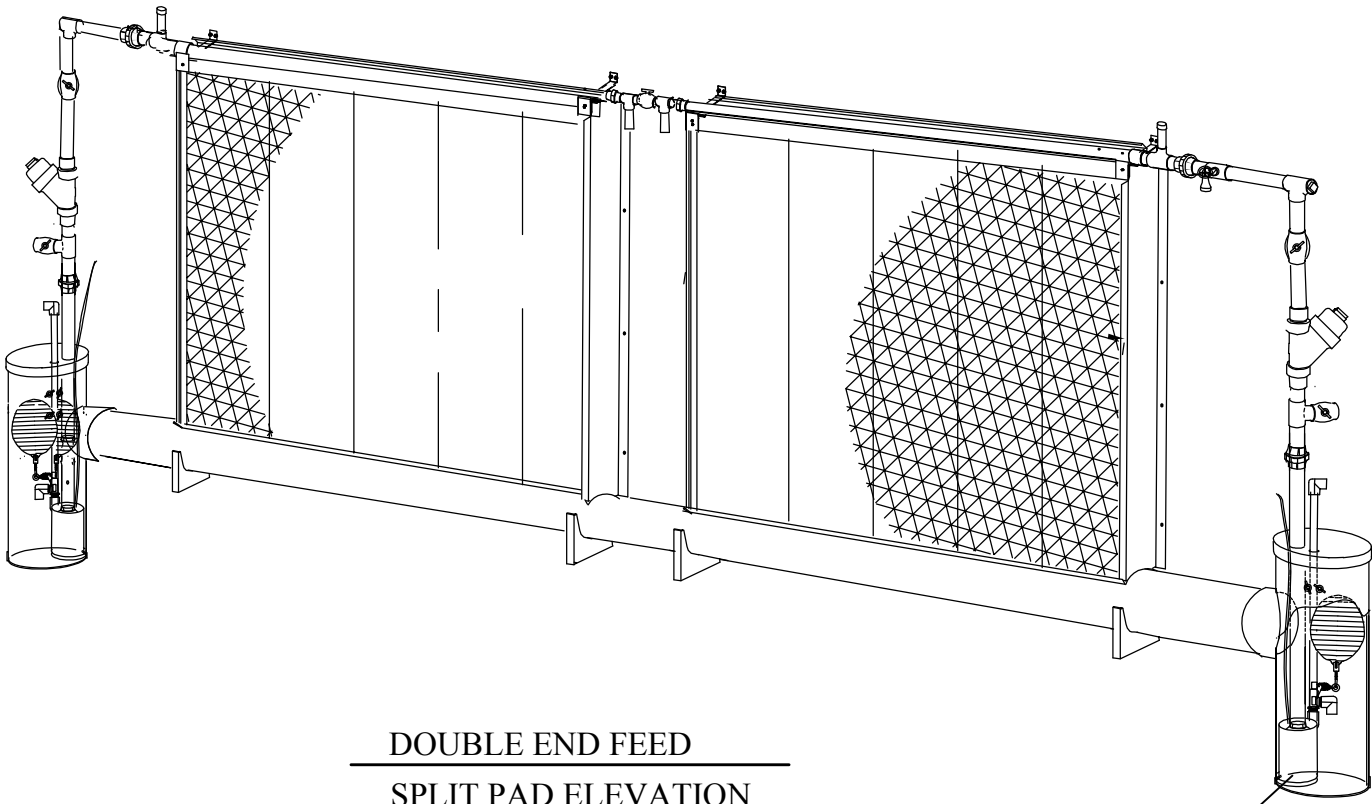
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 1-888-854-5221 fax 770 854 5540

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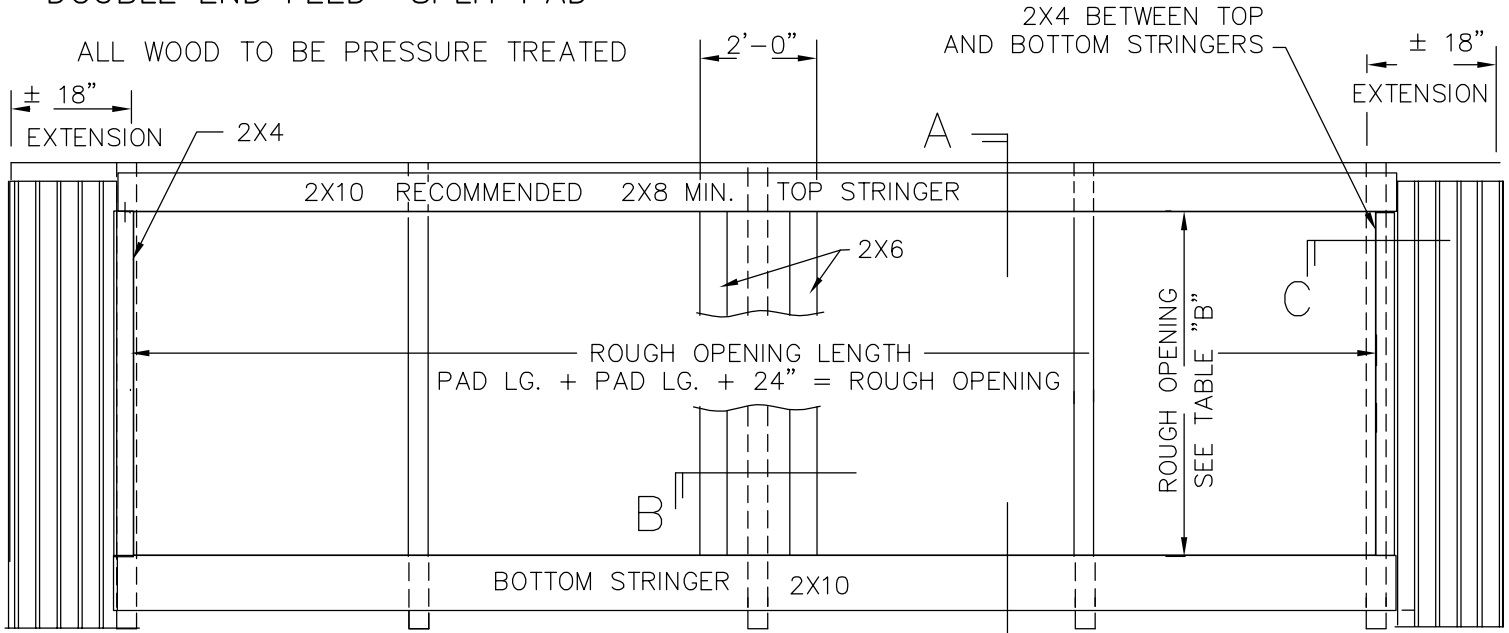


DOUBLE END FEED
SPLIT PAD ELEVATION
 80' TO 160'

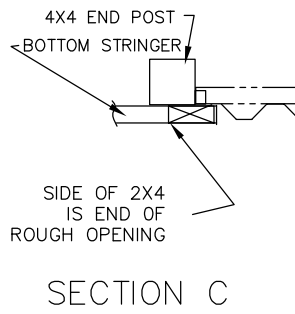
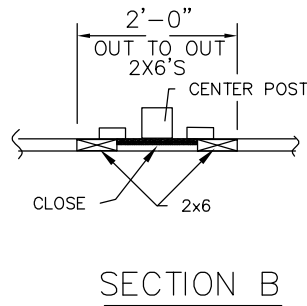
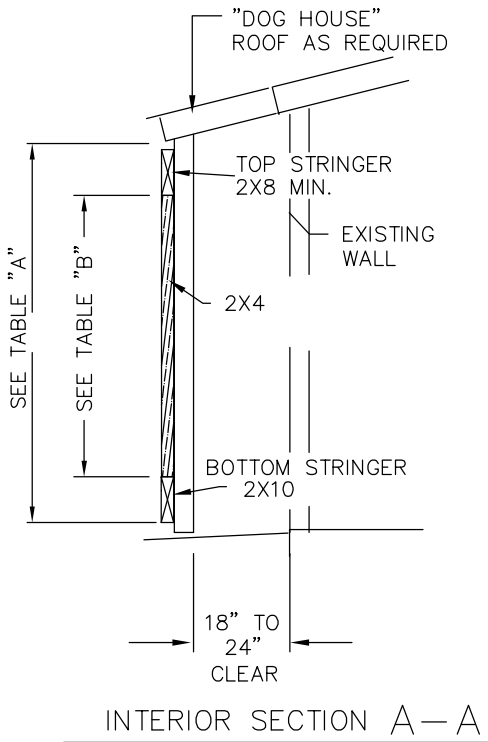
SEE sh-85 for
POLY TANK option

FRAMING ELEVATION & SECTIONS

DOUBLE END FEED SPLIT PAD



BOTTOM 2X10 STRINGER TO BE NAILED IN PLACE INITIALLY. FINAL ANCHORAGE COMES WITH THE INSTALLATION OF THE BOTTOM BRACKETS



MINIMUM WALL HEIGHT
 $\text{PAD HEIGHT} + 16" = \text{"A"}$

PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET & IN	in INCHES
3' - 0"	4' - 4"	52"
4' - 0"	5' - 4"	64"
5' - 0"	6' - 4"	76"
6' - 0"	7' - 4"	88"

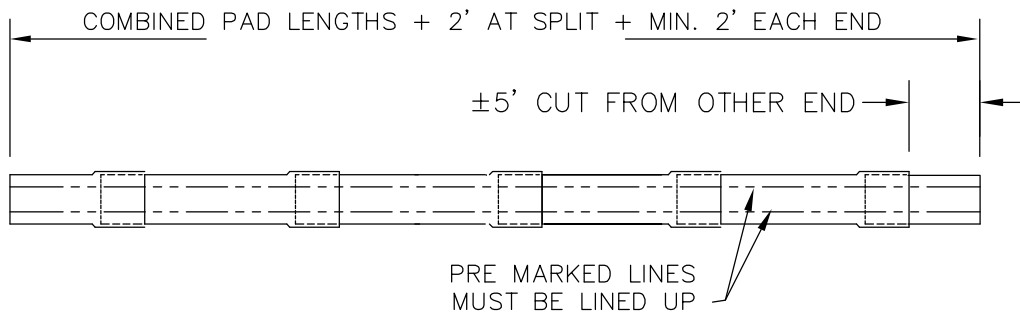
ROUGH OPENING HEIGHT
 $\text{PAD HEIGHT} - 3" = \text{"B"}$

PAD HEIGHT	CLEAR BETWEEN 2X10	
	in FEET & IN	in INCHES
3' - 0"	2' - 9"	33"
4' - 0"	3' - 9"	45"
5' - 0"	4' - 9"	57"
6' - 0"	5' - 9"	69"

GLUE 8" TROUGH FOR DOUBLE END FEED SPLIT PAD SYSTEM

DO NOT DISTURB GLUED PIPE
UNTIL GLUE HAS CURED.

A MINIMUM OF 5' EXTRA 8" PIPE PROVIDED



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INSTALL BACK PAD SUPPORT

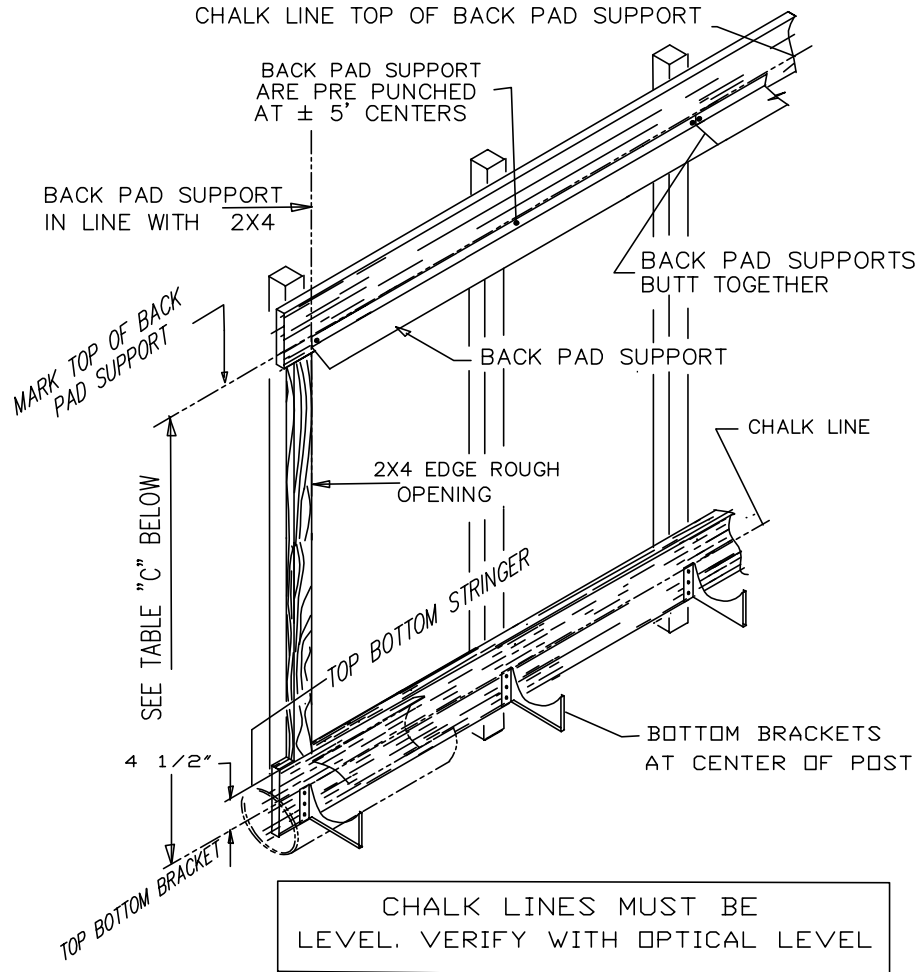
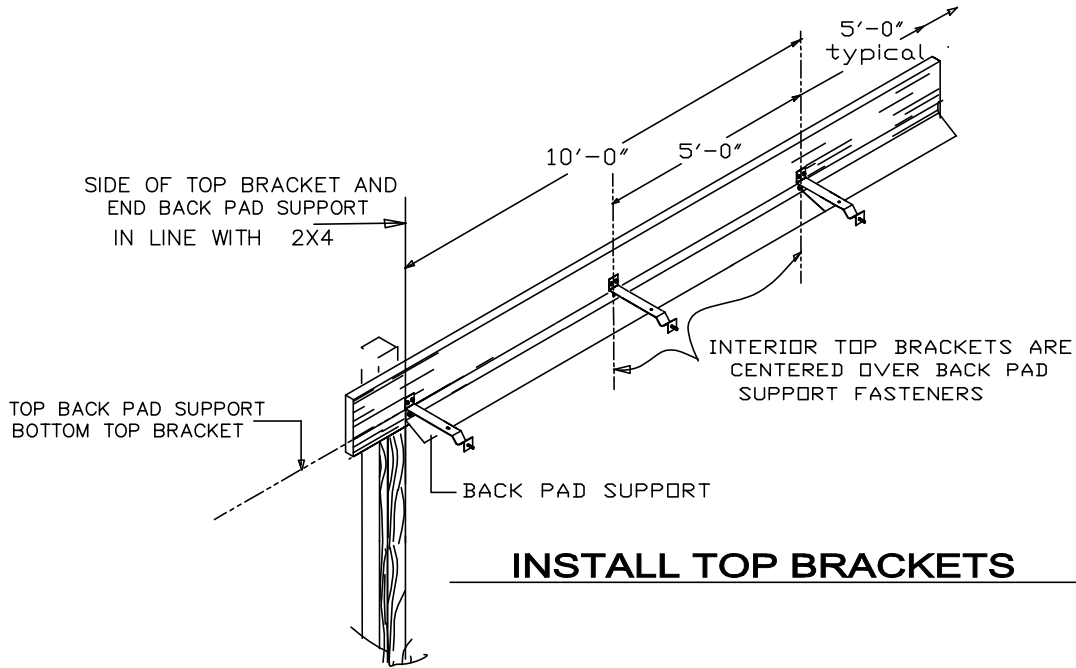
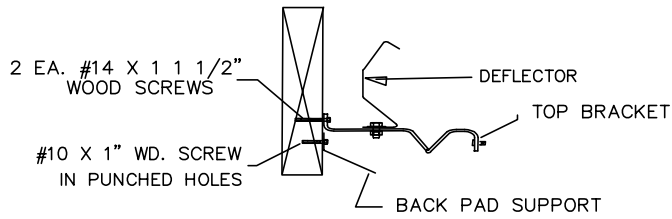


TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	IN FT. & IN.	INCHES
3' -0"	3' -4 1/2"	40.5"
4' -0"	4' -4 1/2"	52.5"
5' -0"	5' -4 1/2"	64.5"
6' -0"	6' -4 1/2"	76.5"

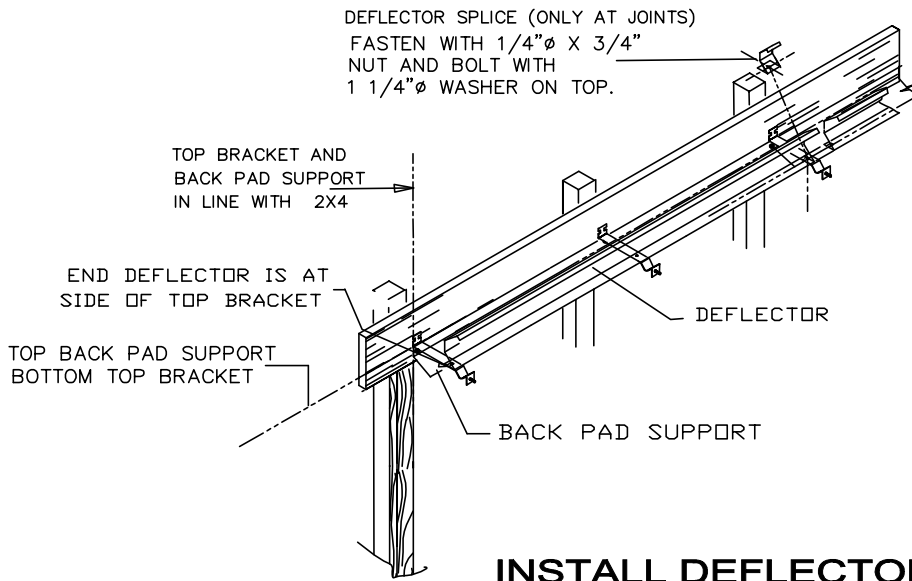
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INSTALL TOP BRACKETS



END VIEW



INSTALL DEFLECTOR

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TROUGH FABRICATION

FOR DOUBLE END FEED SPLIT PAD SYSTEM

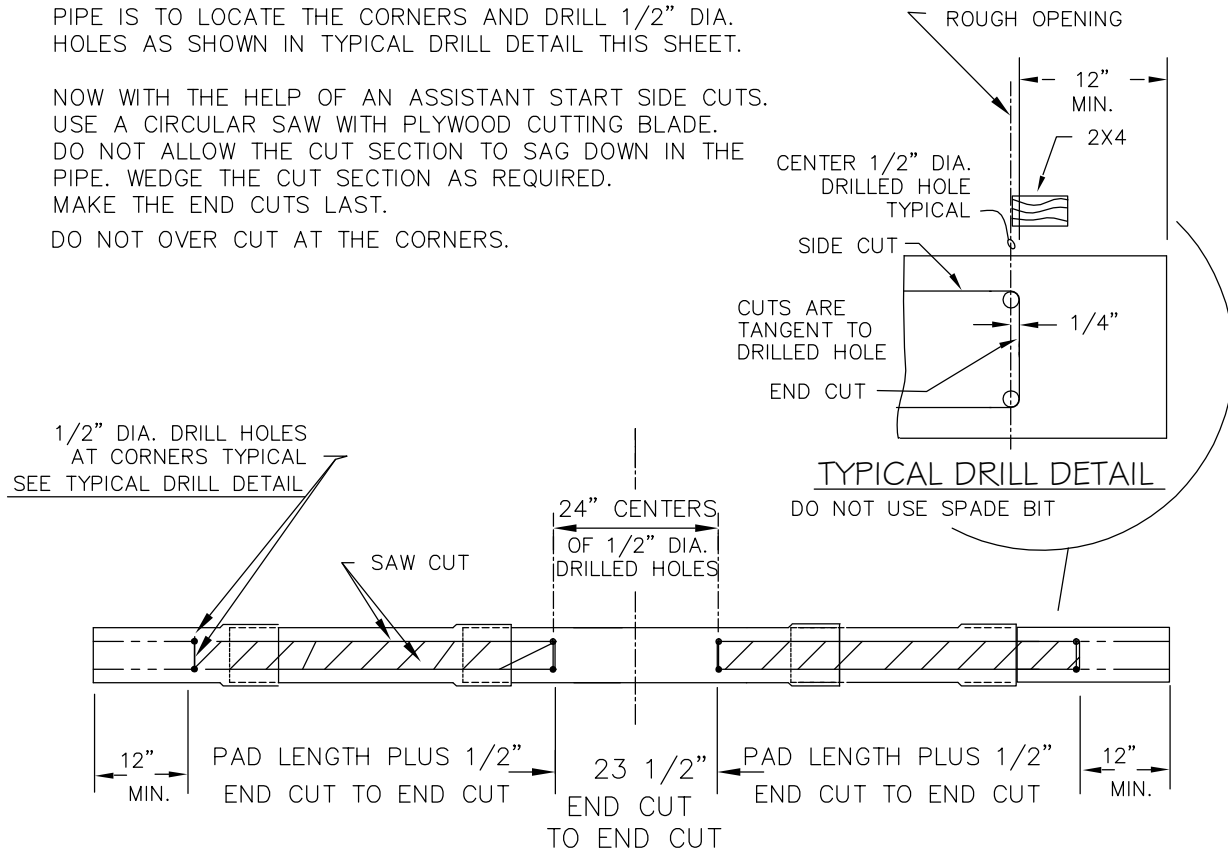
AFTER THE GLUE HAS DRIED PLACE THE ASSEMBLED PIPE ON THE BOTTOM BRACKETS AND SLIDE ASSEMBLY AS REQUIRED TO MAKE SURE THE JOINS CLEAR THE BOTTOM BRACKETS. ALSO VERIFY A MIN OF 12" OF THE 8" PIPE EXTEND BEYOND THE ROUGH OPENINGS.

DRILL HOLES AT CORNERS BEFORE MAKING CUTS

WITH PIPE ON THE BOTTOM BRACKETS AND CLEAR OF THE BRACKETS THE FIRST STEP IN CUTTING THE PIPE IS TO LOCATE THE CORNERS AND DRILL 1/2" DIA. HOLES AS SHOWN IN TYPICAL DRILL DETAIL THIS SHEET.

NOW WITH THE HELP OF AN ASSISTANT START SIDE CUTS. USE A CIRCULAR SAW WITH PLYWOOD CUTTING BLADE. DO NOT ALLOW THE CUT SECTION TO SAG DOWN IN THE PIPE. WEDGE THE CUT SECTION AS REQUIRED. MAKE THE END CUTS LAST.

DO NOT OVER CUT AT THE CORNERS.

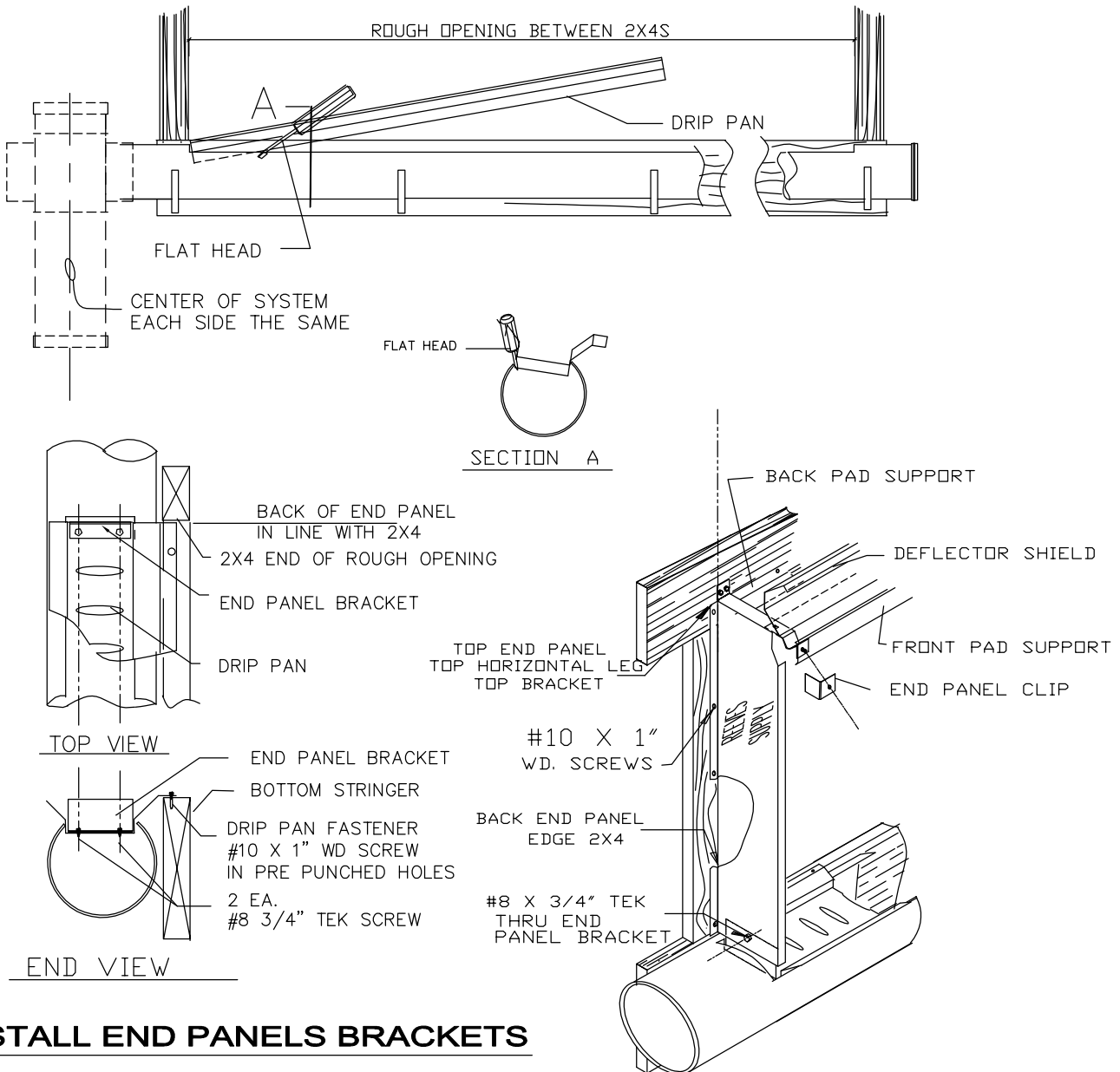


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PLACE DRIP PAN IN TROUGH

THOROUGHLY CLEAN THE TROUGH BEFORE INSTALLING THE DRIP PAN,
 DUE TO THE TIGHT FIT OF DRIP PAN IN THE TROUGH PIPE
 THE OPENING WILL MOST LIKELY REQUIRE PRYING OPEN TO "WALK IN"
 THE DRIP PAN. TYPICALLY A FLAT HEAD SCREW DRIVER WEDGED BETWEEN
 PIPE AND PAN JUST AHEAD OF THE SEATED AREA WORKS WELL. SLIGHT
 ROTATION OF THE PAN HELPS SEE SECTION "A" BELOW.

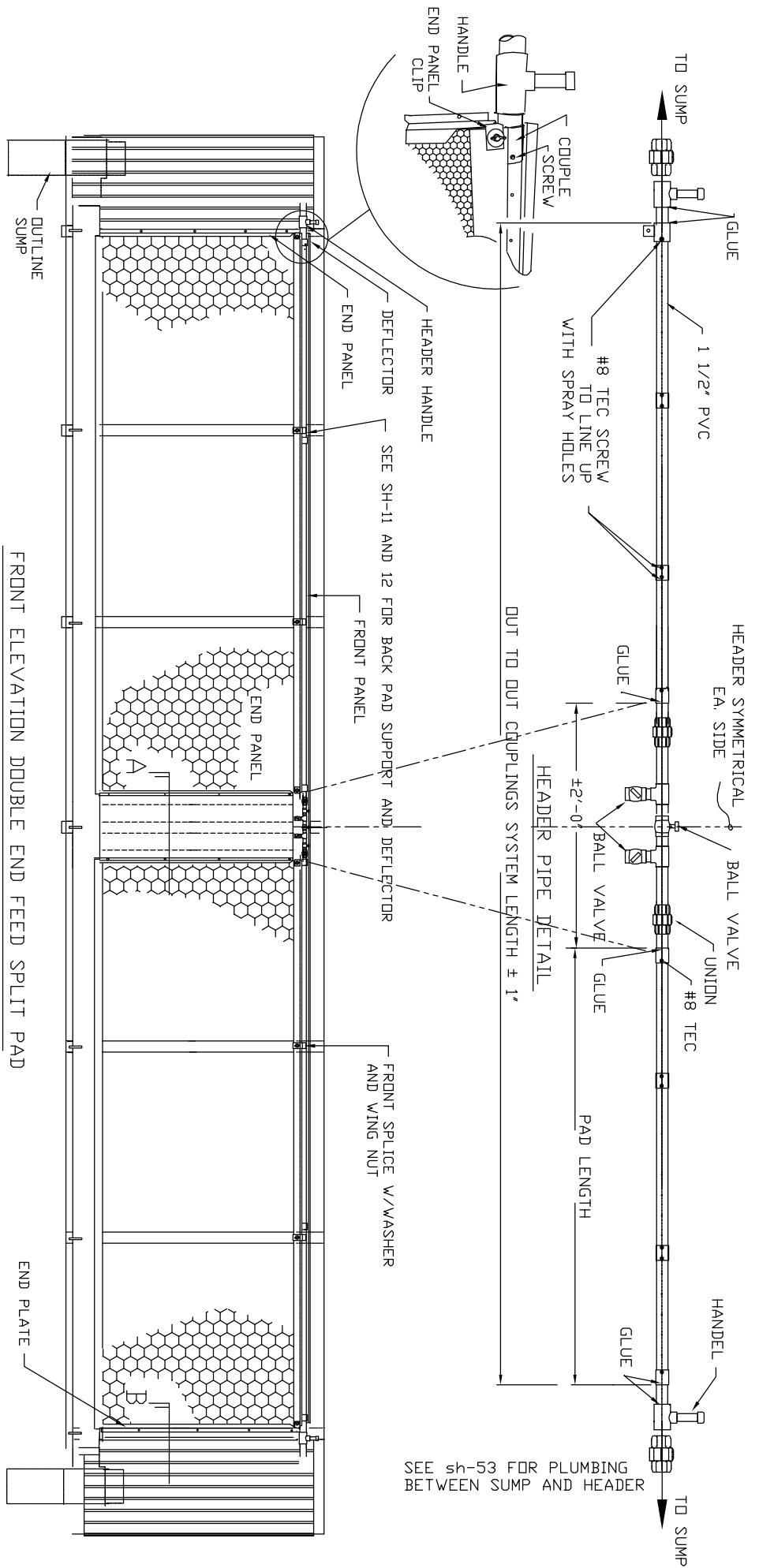


INSTALL END PANELS BRACKETS

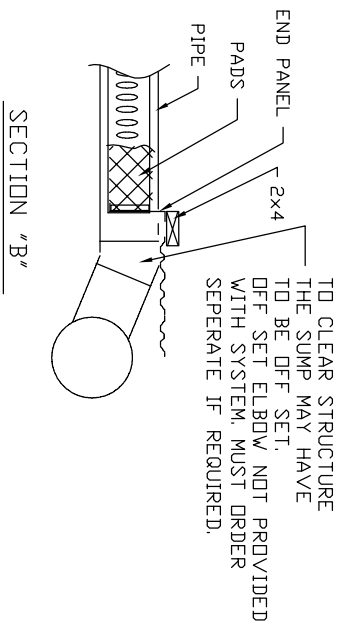
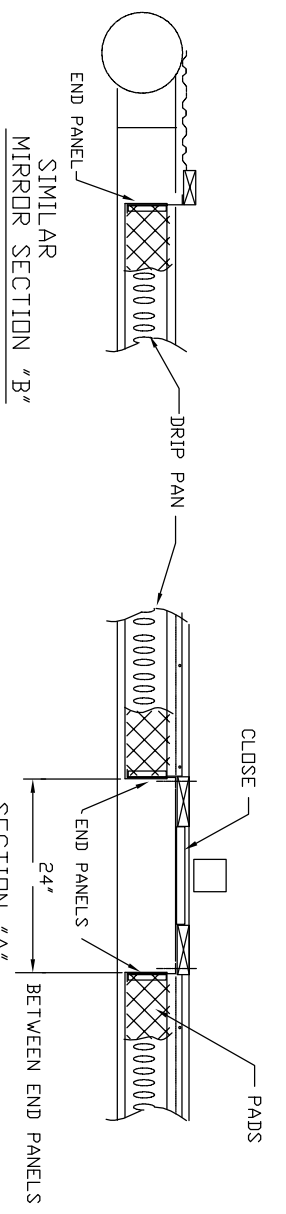
INSTALL END PANELS BOTH ENDS

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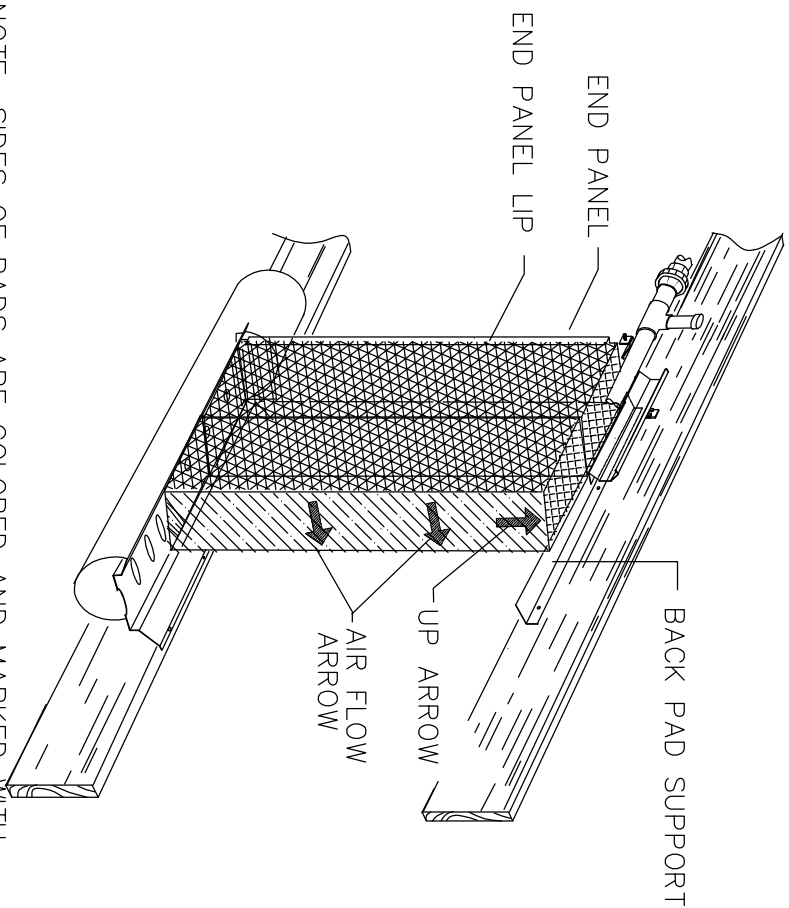
DOUBLE END FEED SPLIT PAD ELEVATION WITH HEADER



SEE sh-53 FOR PLUMBING BETWEEN SUMP AND HEADER



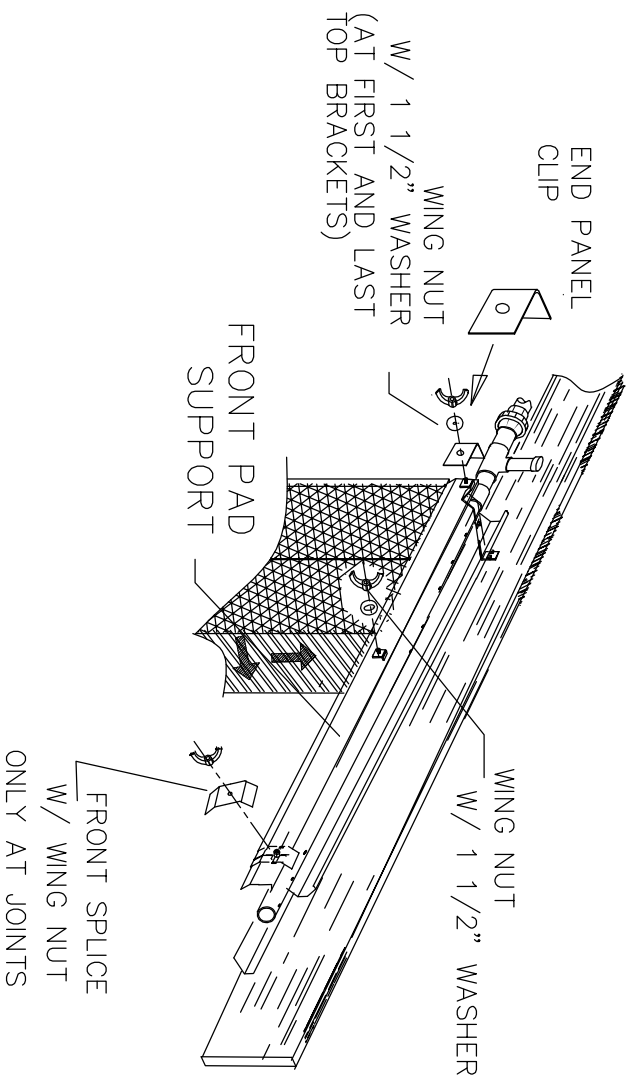
INSTALL PADS



NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO SHOW CORRECT ORIENTATION OF PADS. MAKE SURE PADS ARE PLACED CORRECTLY.

"NEST THE FIRST PAD BEHIND LIP AGAINST THE END PANEL INSTALL REMAINDER OF PADS TIGHTLY AGAINST THE PREVIOUSLY INSTALLED PAD. CONTINUE UNTIL THE NEXT TO LAST PAD HAS BEEN INSTALLED. IN ORDER TO INSTALL THE LAST PAD THE NEXT-TO-LAST PAD SHOULD BE SLID BEHIND FAR END PANEL LIP. THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

INSTALL FRONT PAD SUPPORT

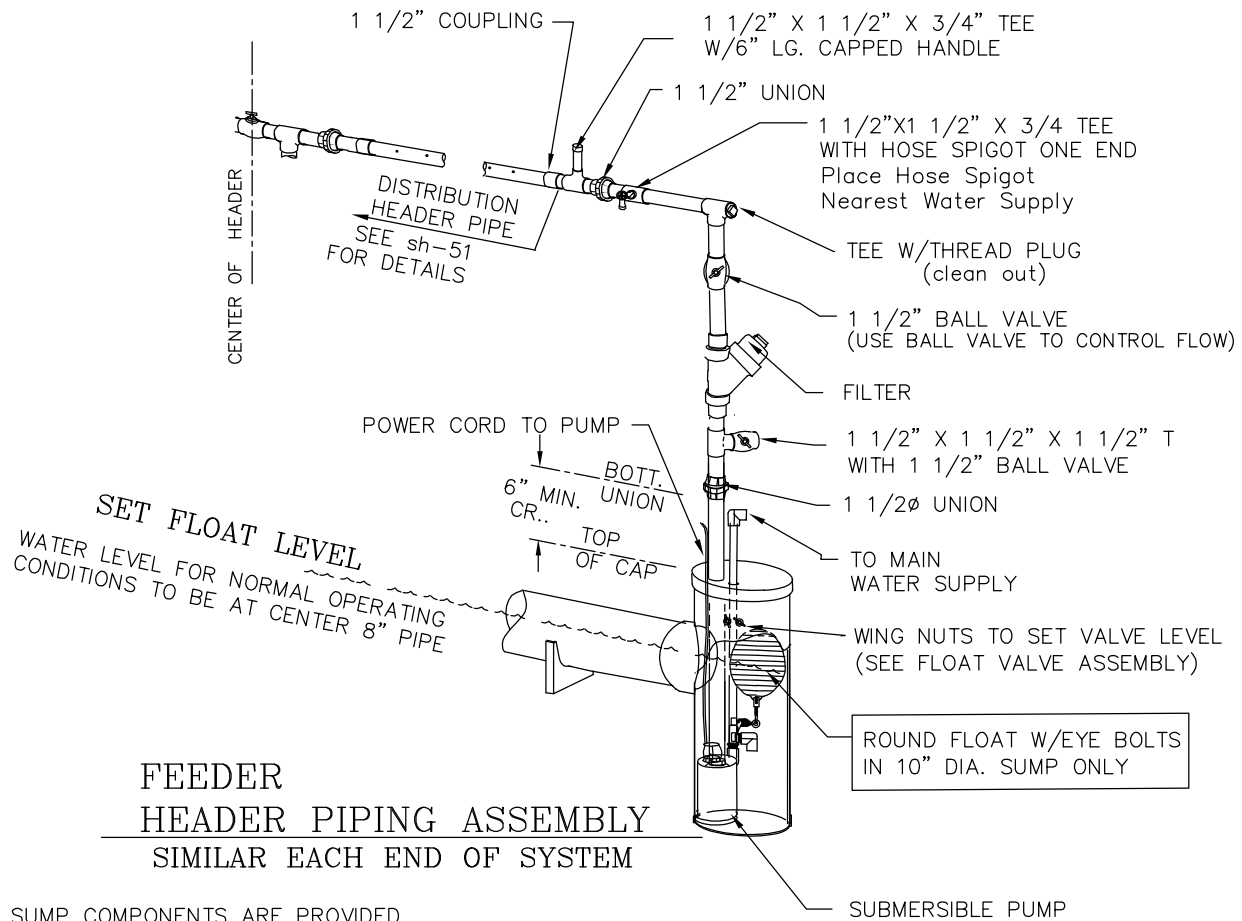


THE FRONT PANEL CAN BE INSTALLED AS PADS ARE PLACED OR AFTER ALL PADS HAVE BEEN INSTALLED.

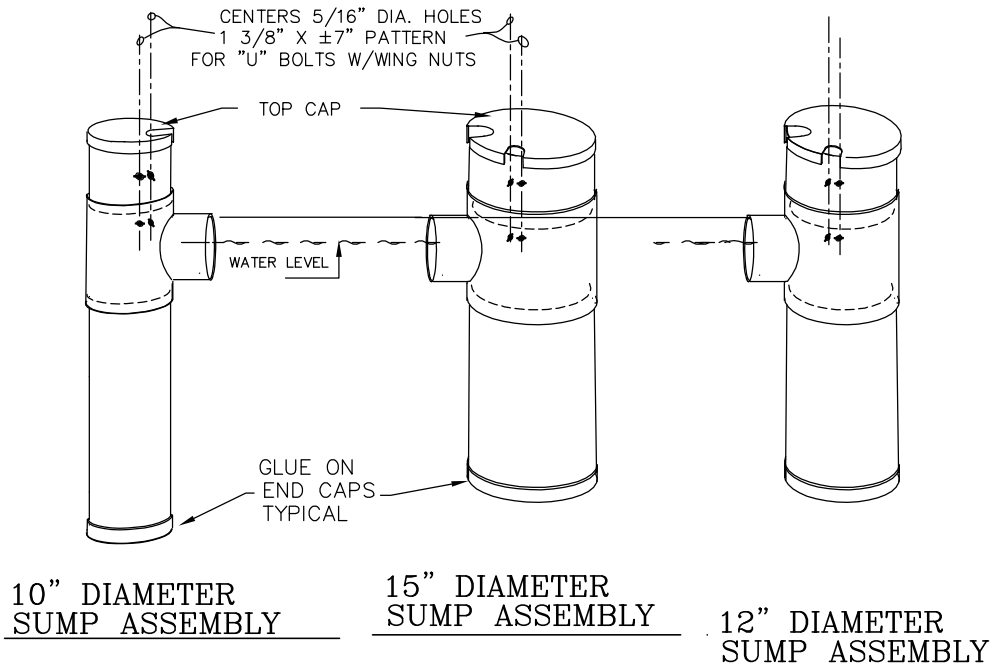
NOTE: ON ALUMINIUM SYSTEM PEEL OFF PVC COATING AND PLACE REEVES SUPPLY STICKER ON END PANEL.

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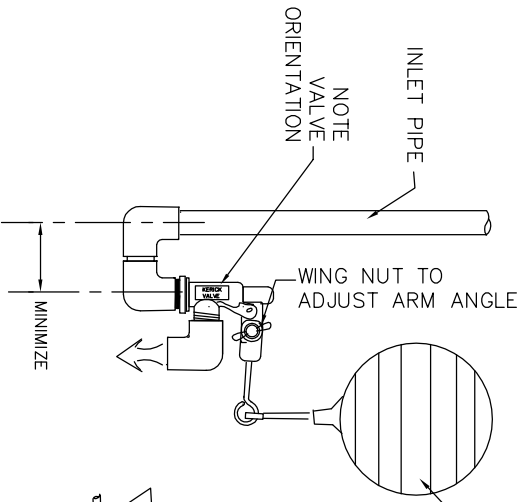
SUMP COMPONENTS ARE PROVIDED
THE END CAP TO BE GLUED ON IN FIELD.
THE TOP CAP WILL REQUIRE OPENINGS TO BE FIELD CUT
DO NOT GLUE ON TOP CAP



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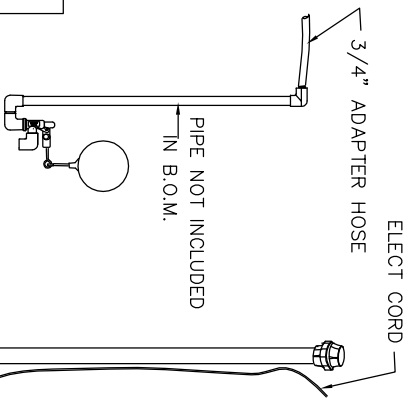
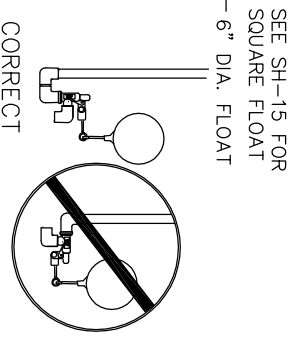
FLOAT VALVE ASSEMBLY PUMP ASSEMBLY



ENLARGED ASSEMBLY
SEE NEXT SHEET FOR
FLOAT VALVE ROTATION

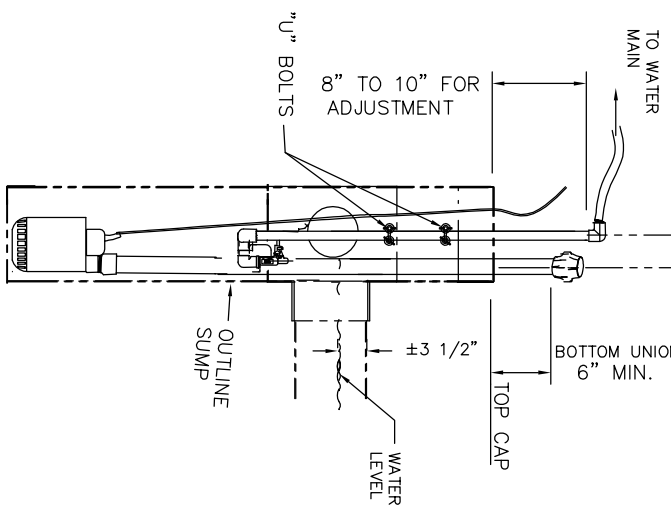
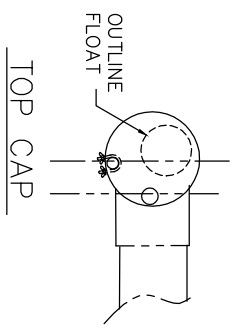
- 2 (TWO) KITS PROVIDED
Each Float Kit Includes
- 1-3/4" Float Valve
 - 1-6" dia. Black Plastic Float Ball
 - 2-90° Elbow SxS
 - 2- 3/4" MGT Adapter Hose
 - 2- U Bolts
 - 4- Nylon Wing Nuts
 - 2-1/4" Eye Bolts pre

* 3/4" PVC Pipe not included



FLOAT KIT ASSEMBLY

PUMP ASSEMBLY

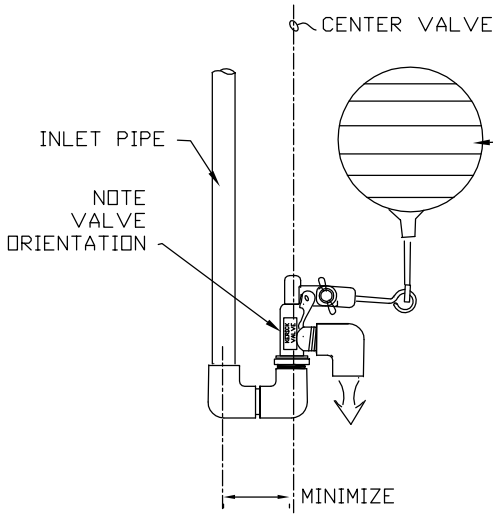


COMBINED ASSEMBLY
SHOWN IN 10" SUMP

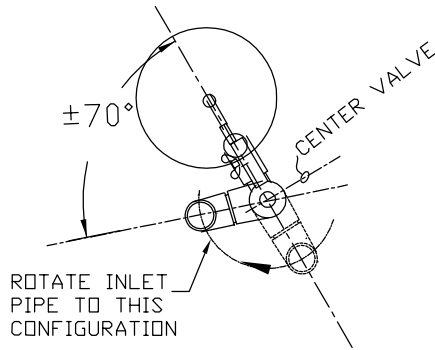
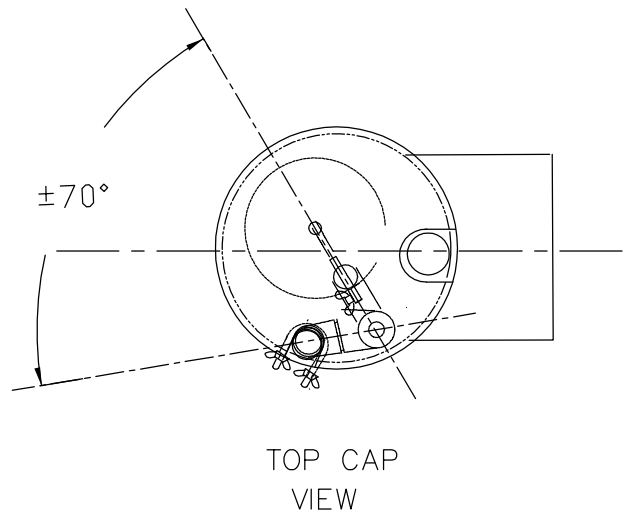
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FLOAT VALVE ASSEMBLY CONFIGURATION

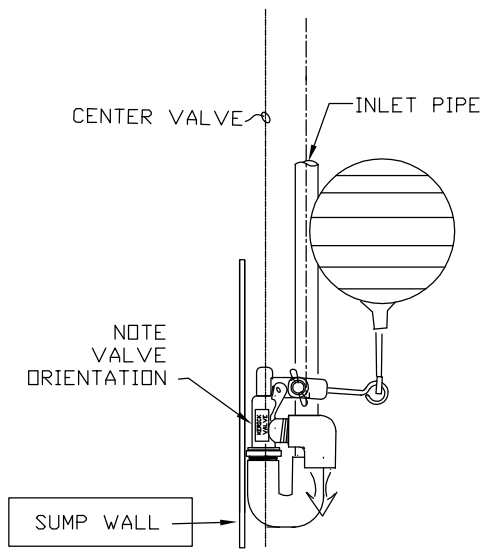
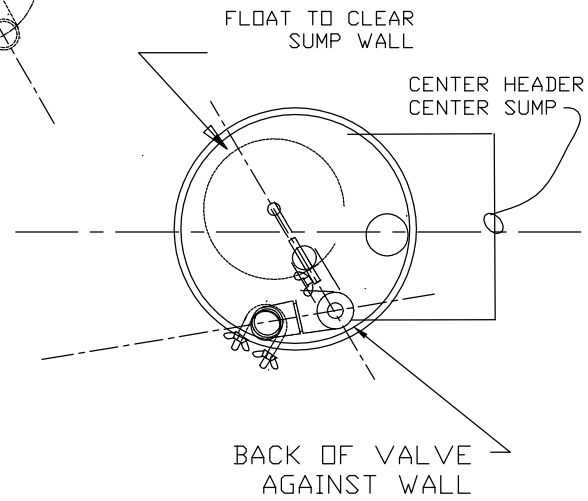
NOTE; THE VALVE SHOULD BE PLACED AGAINST THE SUMP WALL FOR IDEAL FLOAT VALE FUNCTIONING.



FLOAT VALVE ASSEMBLY BEFORE ROTATING



TOP VIEWS

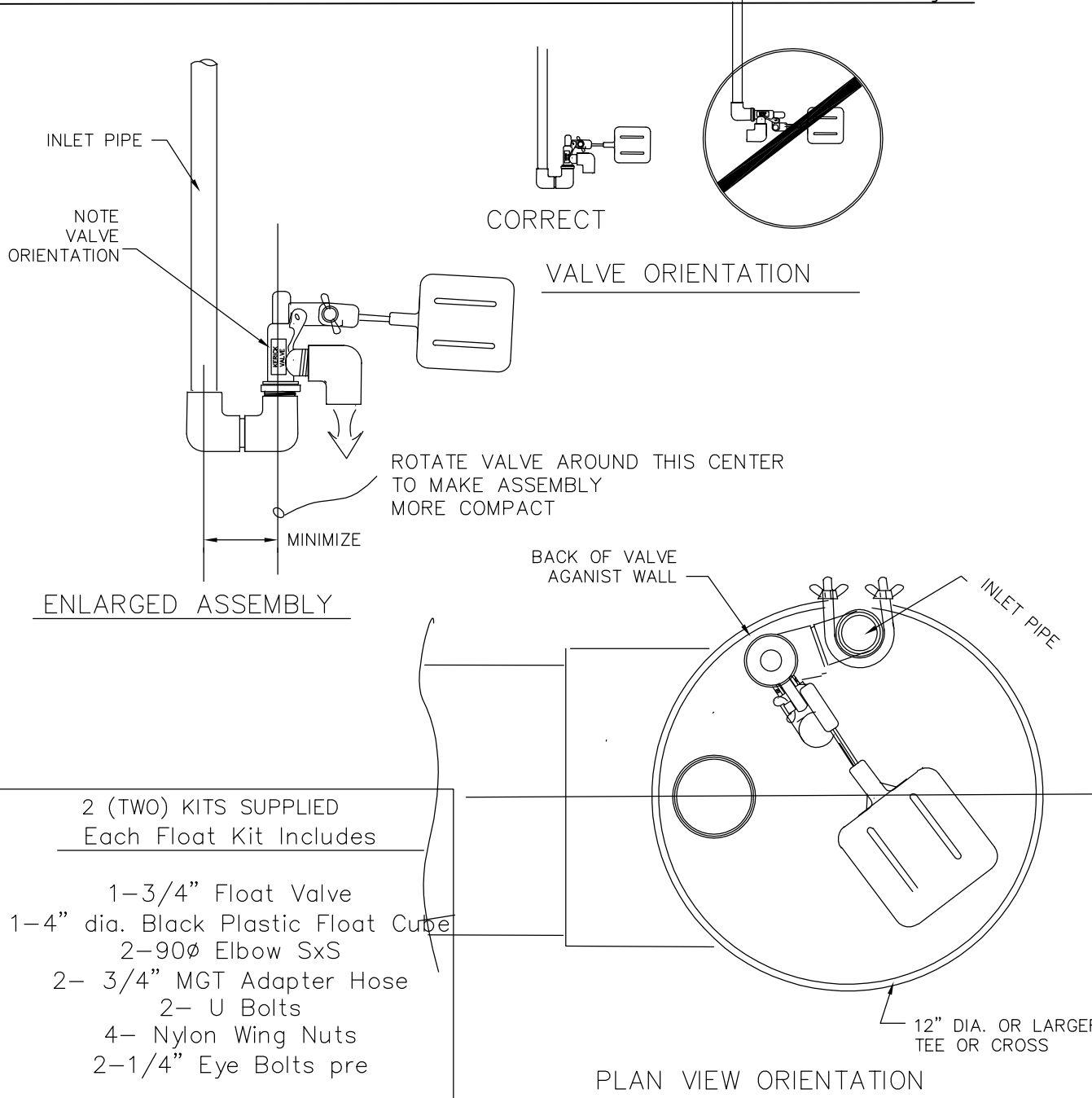


FLOAT VALVE ASSEMBLY
MOST COMPACT
MUST USE THIS ARRANGEMENT
FOR 10" SUMP AND 10" CROSS SUMP

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SQUARE FLOAT & VALVE ASSEMBLY for 12" & 15" TEES only



* 3/4" PVC Pipe not included

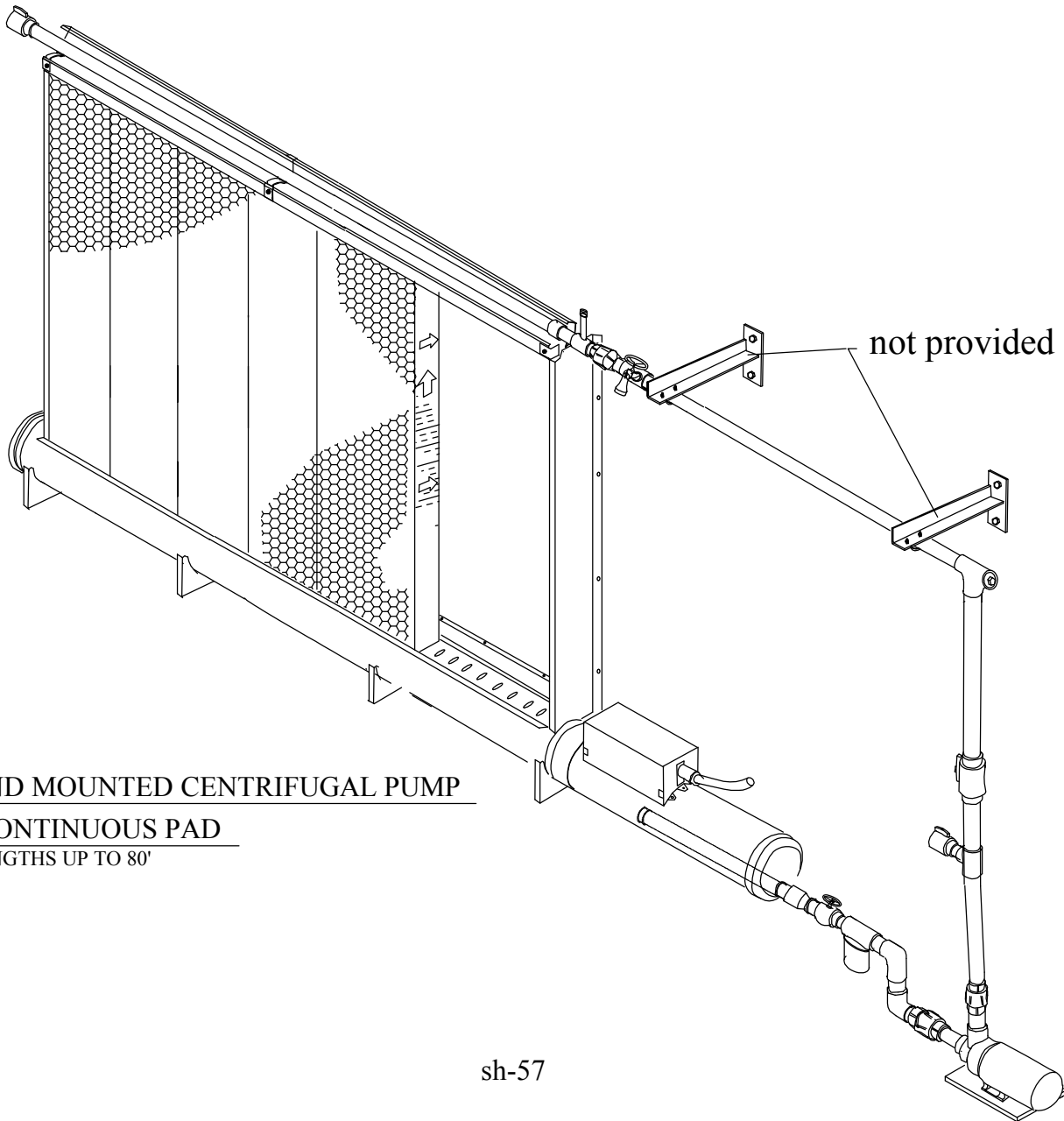
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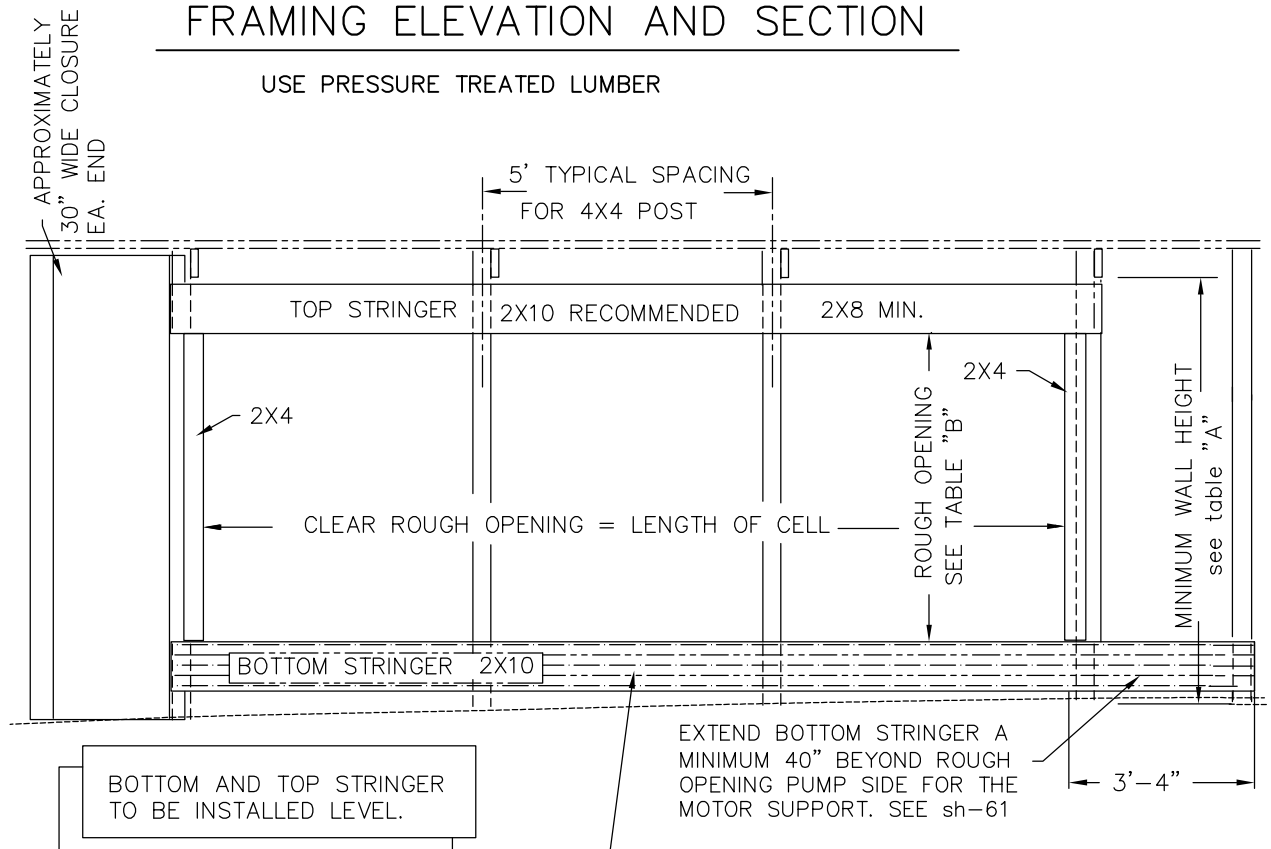
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Install Pads and Front Panel -----	70



END MOUNTED CENTRIFUGAL PUMP
CONTINUOUS PAD
 LENGTHS UP TO 80'

FRAMING ELEVATION AND SECTION

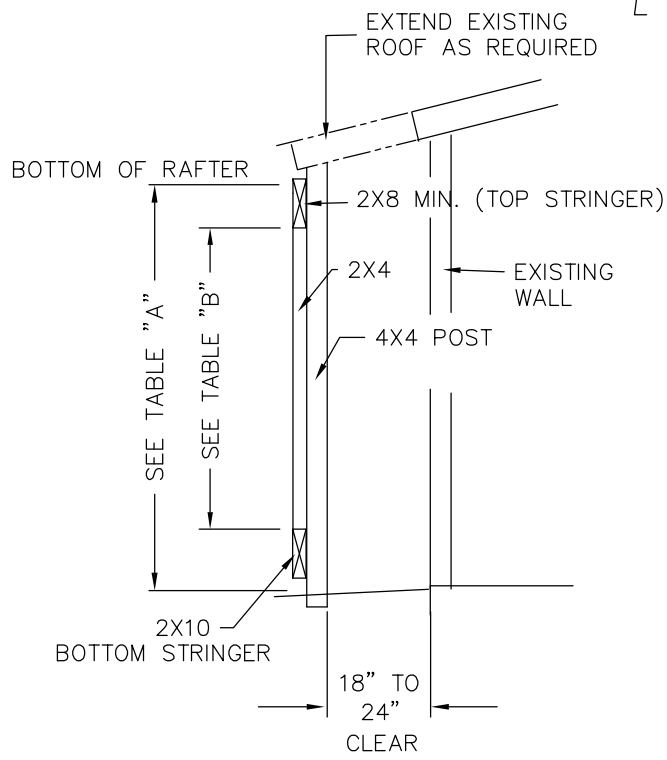
USE PRESSURE TREATED LUMBER



BOTTOM AND TOP STRINGER TO BE INSTALLED LEVEL.

EXTEND BOTTOM STRINGER A MINIMUM 40" BEYOND ROUGH OPENING PUMP SIDE FOR THE MOTOR SUPPORT. SEE sh-61

BOTTOM 2X10 STRINGER TO BE TEMPORARILY NAILED IN PLACE. FINAL ANCHORAGE COMES WITH THE INSTALLATION OF THE BOTTOM BRACKETS



SECTION VIEW

MINIMUM WALL HEIGHT
PAD HEIGHT + 16" = "A"

PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET & IN	in INCHES
3' - 0"	4' - 4"	52"
4' - 0"	5' - 4"	64"
5' - 0"	6' - 4"	76"
6' - 0"	7' - 4"	88"

ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

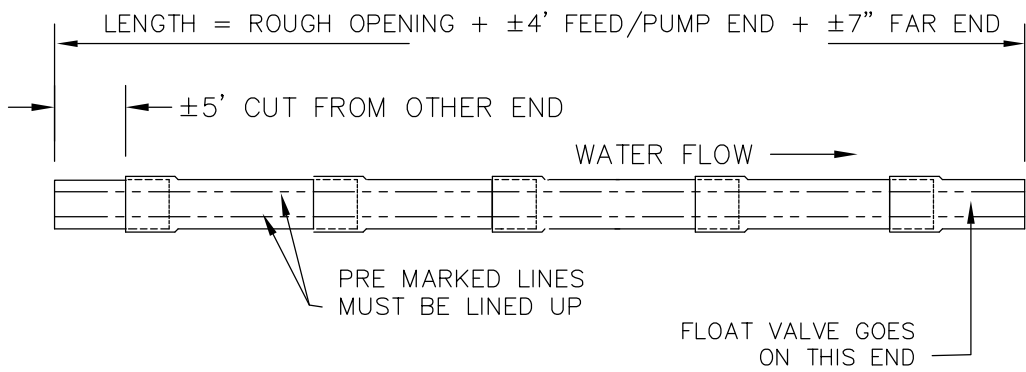
PAD HEIGHT	CLEAR BETWEEN 2X10	
	in FEET & IN	in INCHES
3' - 0"	2' - 9"	33"
4' - 0"	3' - 9"	45"
5' - 0"	4' - 9"	57"
6' - 0"	5' - 9"	69"

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GLUE 8" TROUGH FOR CENTRIFUGAL PUMP END FEED

DO NOT DISTURB GLUED PIPE UNTIL GLUE HAS CURED.

A MINIMUM OF 5' EXTRA 8" PIPE PROVIDED



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INSTALL BACK PAD SUPPORT

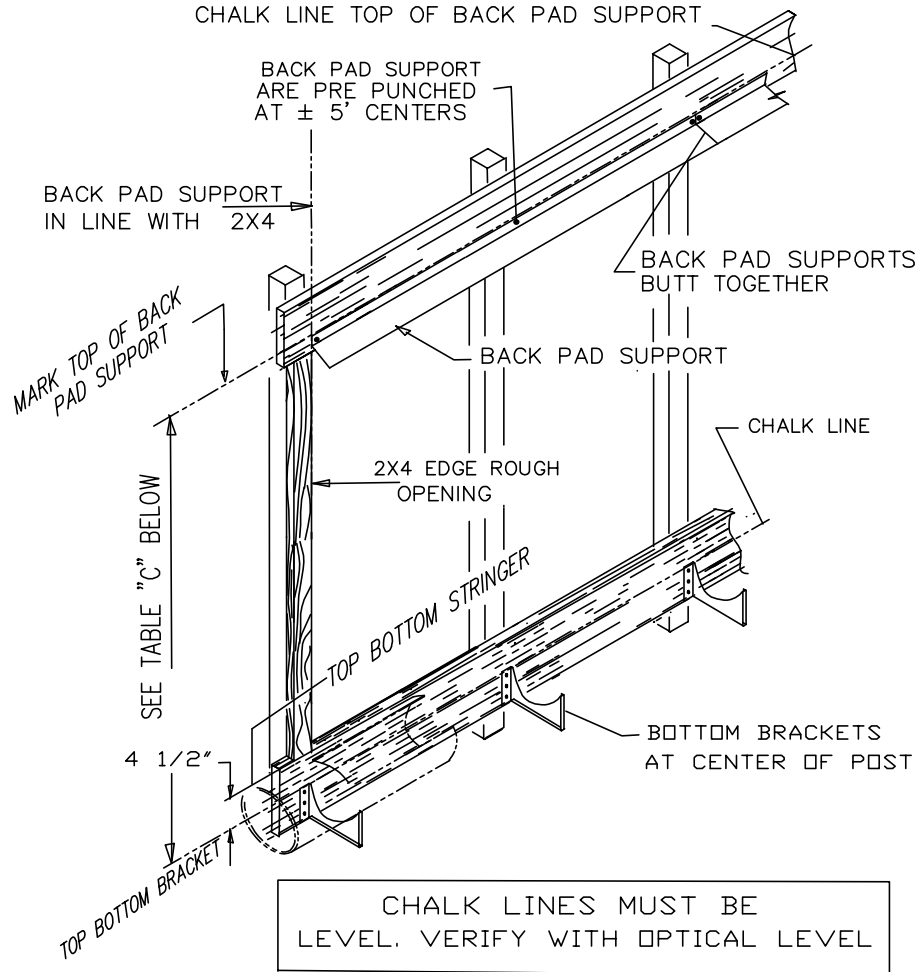


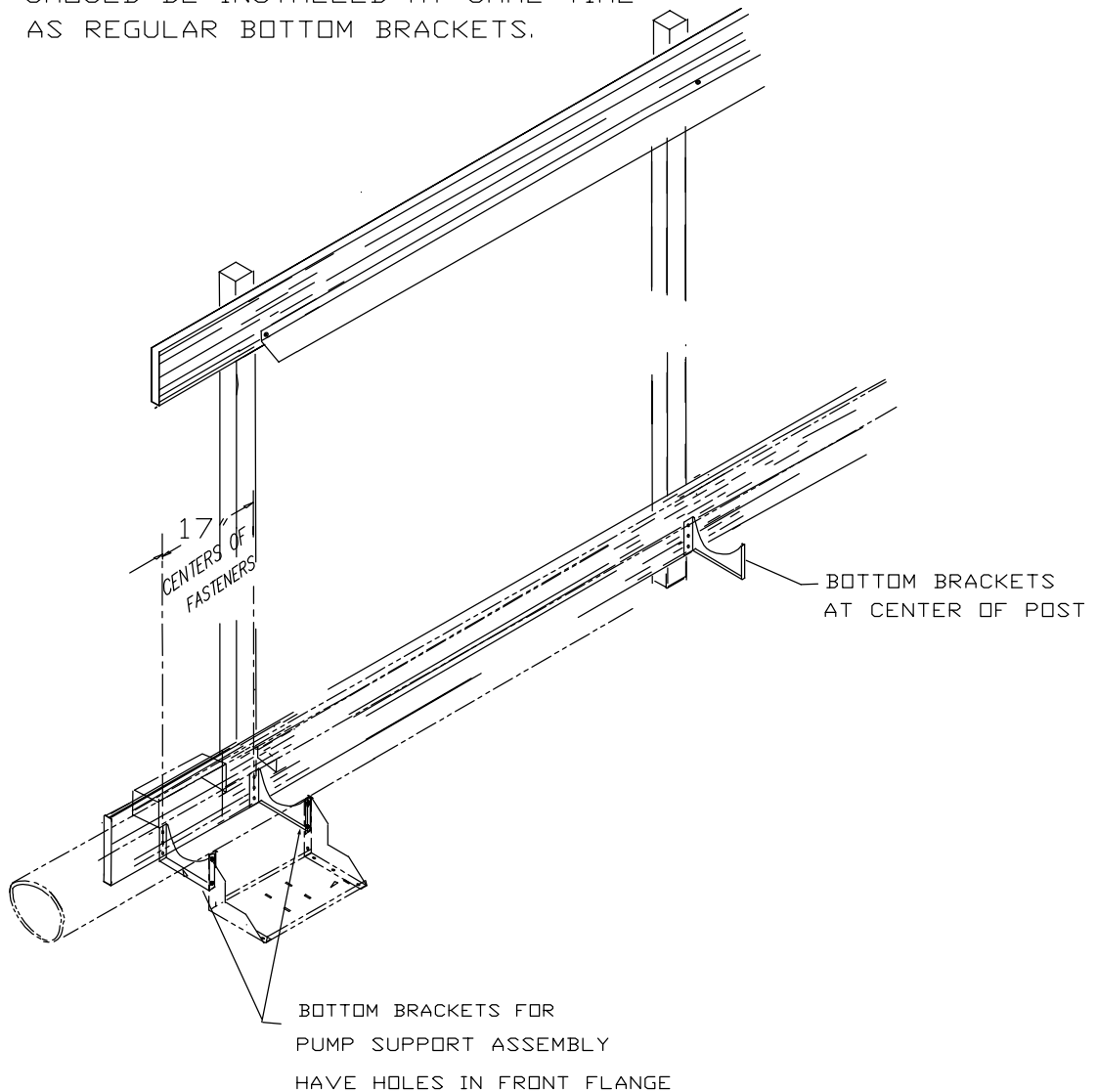
TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	IN FT. & IN.	INCHES
3' -0"	3' -4 1/2"	40.5"
4' -0"	4' -4 1/2"	52.5"
5' -0"	5' -4 1/2"	64.5"
6' -0"	6' -4 1/2"	76.5"

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 130 Dickerson Road - Franklin Ga. 30217

BOTTOM BRACKETS FOR PUMP SUPPORT ASSEMBLY

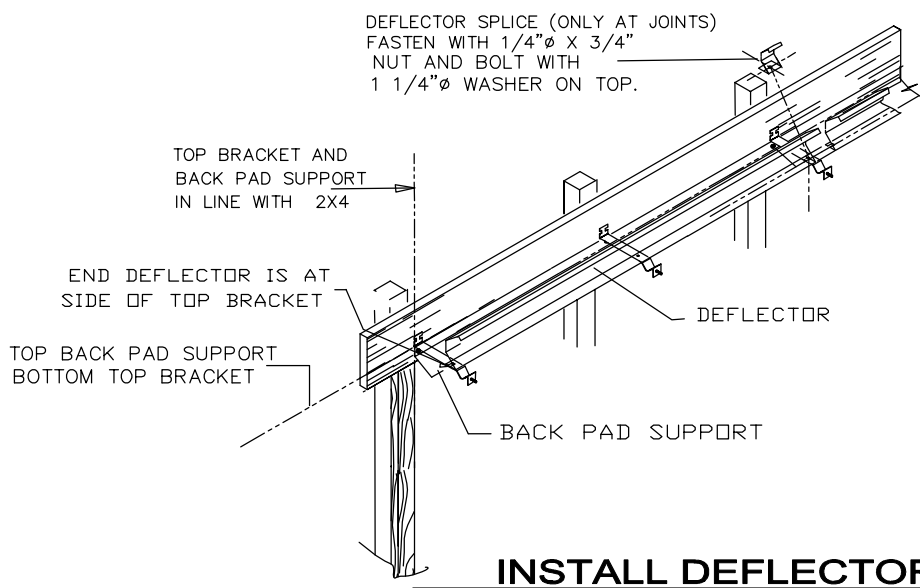
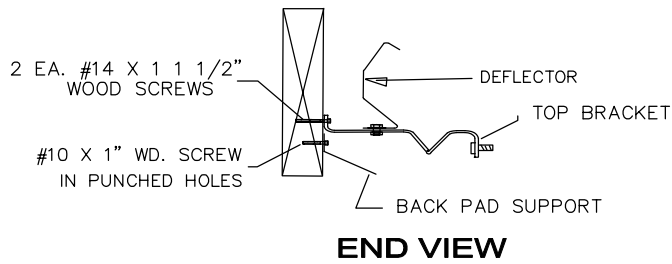
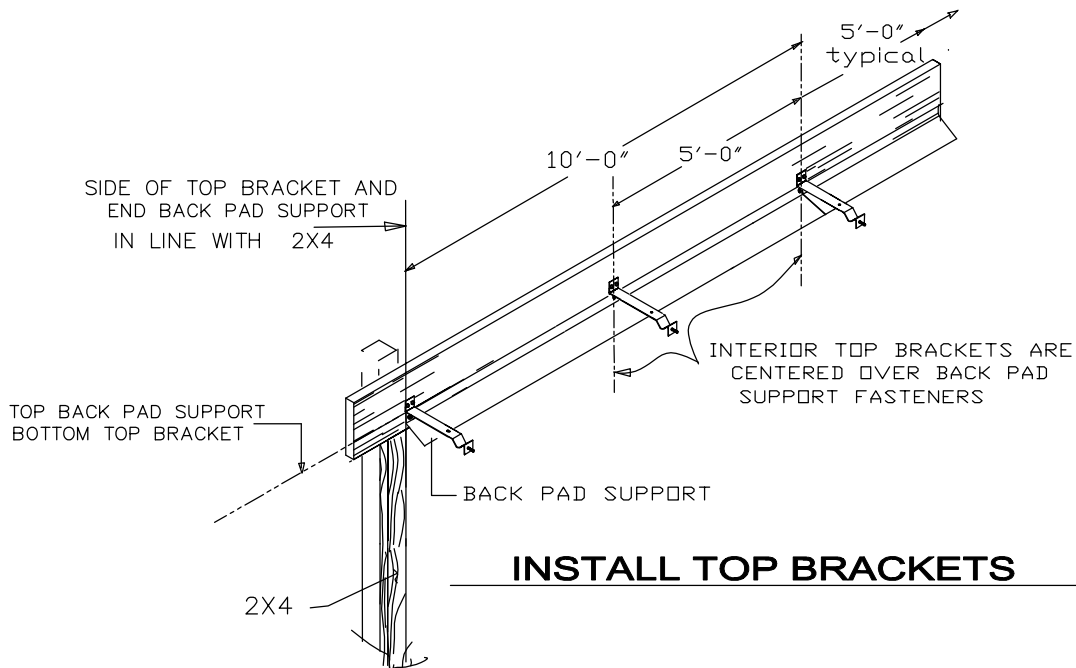
FAILURE TO INSTALL SYSTEM
LEVEL WILL VOID WARRANTY

BOTTOM BRACKETS FOR PUMP SUPPORT
SHOULD BE INSTALLED AT SAME TIME
AS REGULAR BOTTOM BRACKETS.



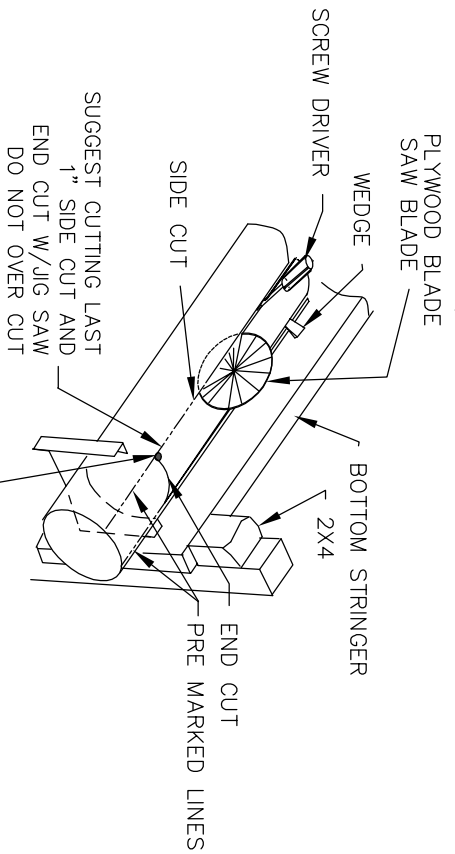
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TROUGH CUTTING TECHNIQUES



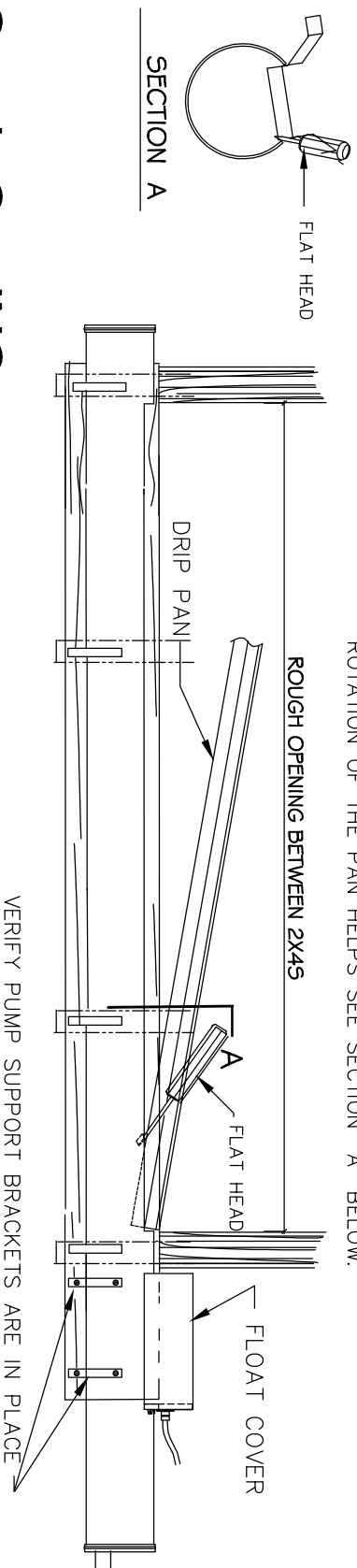
TROUGH CUTTING TECHNIQUES

THE ABOVE SKETCH ILLUSTRATES STEPS OF HOW TO CUT THE PIPE TO AVOID PINCHING THE SAW BLADE. IN GENERAL THE GOAL IS TO PREVENT THE CUT OUT SECTION FROM SAGGING DOWN INTO THE PIPE SAGGING DOWN INTO THE PIPE THUS PINCHING THE SAW BLADE RESULTING IN KICK BACK AND POSSIBLY SPLIT THE PIPE

1/2" DIA. DRILL HOLE
SEE TYPICAL DRILL DETAIL
sh-9

PLACE DRIP PAN IN TROUGH

THOROUGHLY CLEAN THE TROUGH BEFORE INSTALLING THE DRIP PAN, DUE TO THE TIGHT FIT OF DRIP PAN IN THE TROUGH PIPE THE OPENING WILL MOST LIKELY REQUIRE PRYING OPEN TO "WALK IN" THE DRIP PAN. TYPICALLY A FLAT HEAD SCREW DRIVER WEDGED BETWEEN PIPE AND PAN JUST AHEAD OF THE SEATED AREA WORKS WELL. SLIGHT ROTATION OF THE PAN HELPS SEE SECTION "A" BELOW.



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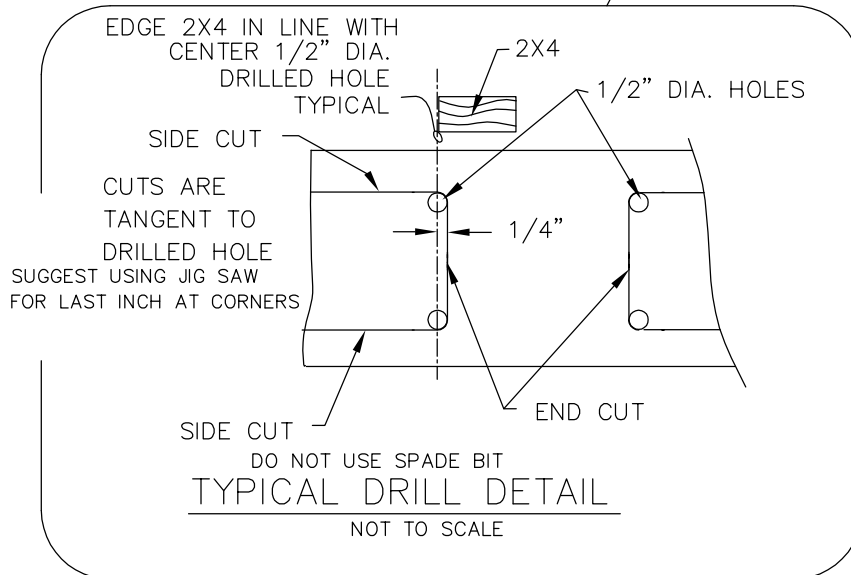
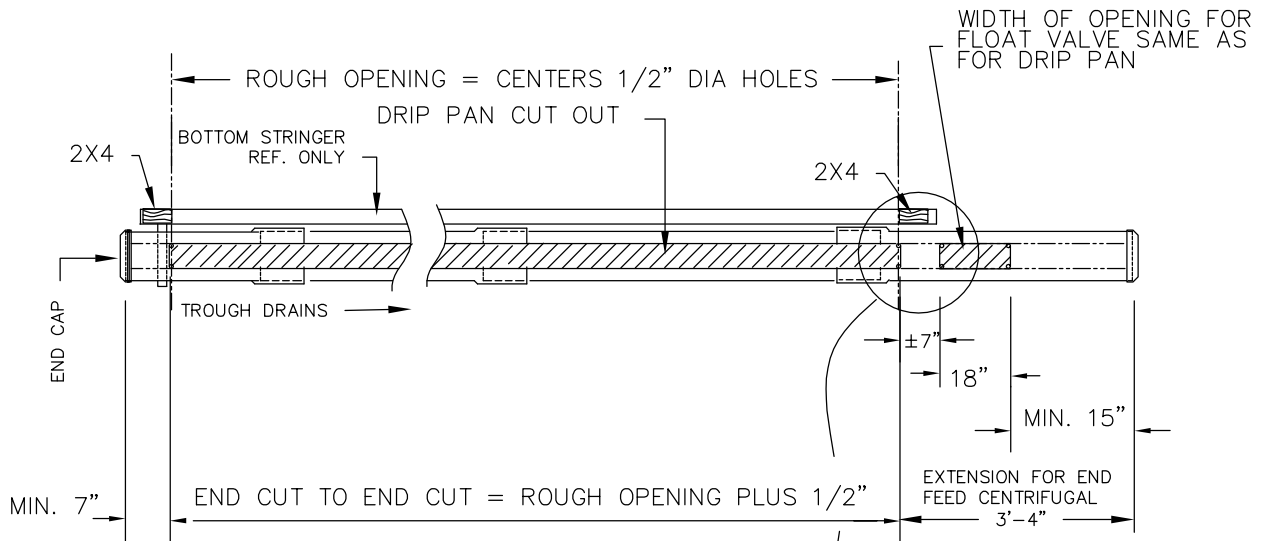
1-888-854 5221

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CUT PIPE FOR CENTRIFUGAL PUMP END FEED

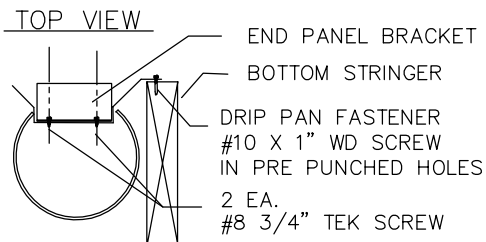
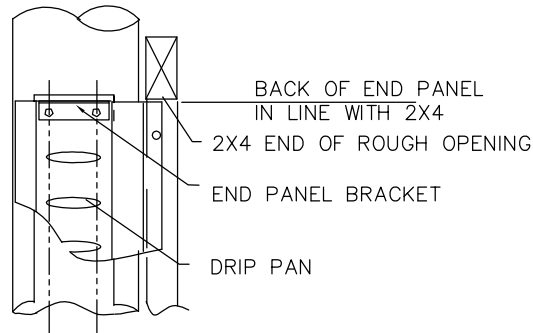
DO NOT DISTURB GLUED PIPE UNTIL GLUE HAS CURED.

DRILL 1/2" DIA HOLES AT 4 CORNERS CUT OUT.



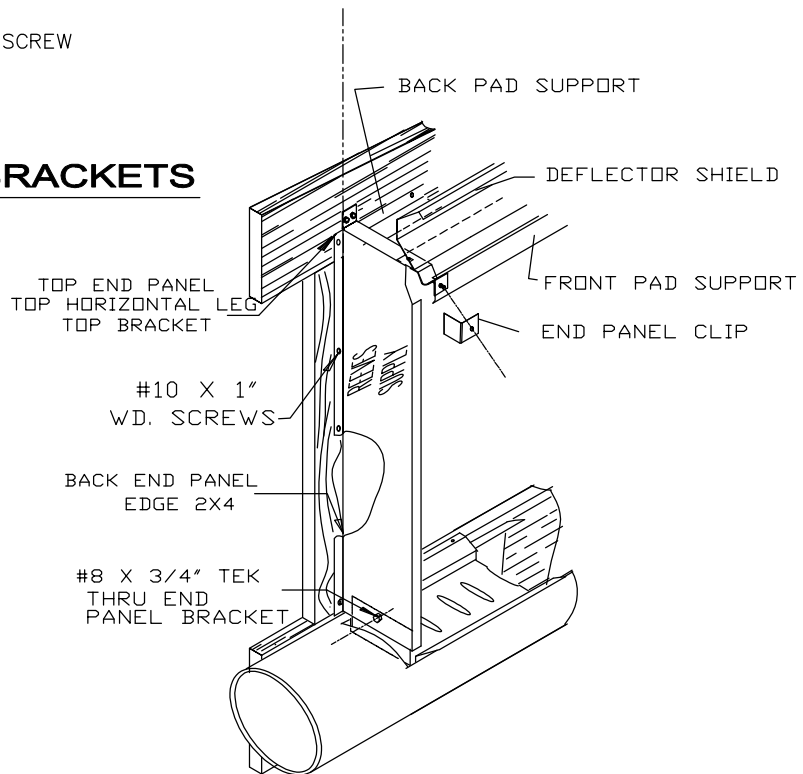
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END VIEW

INSTALL END PANELS BRACKETS



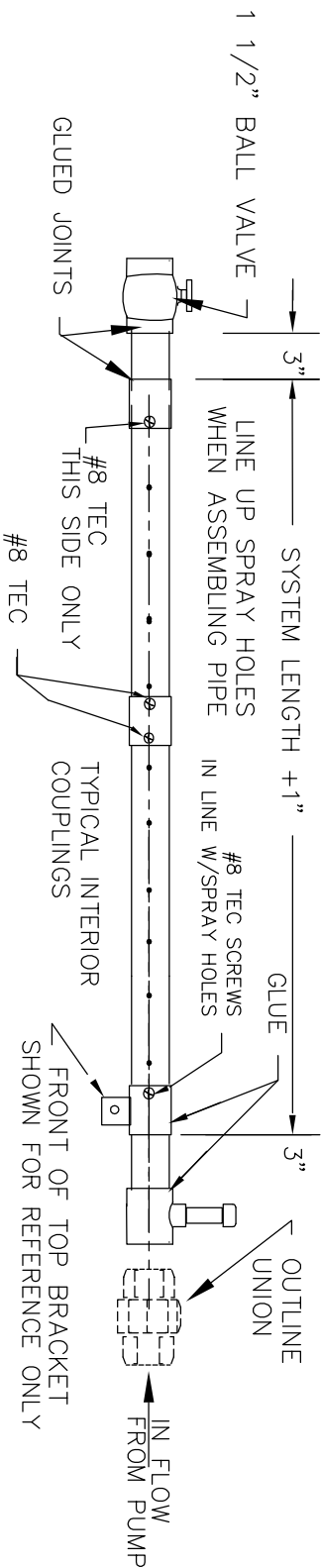
INSTALL END PANELS BOTH ENDS

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ASSEMBLE HEADER PIPE

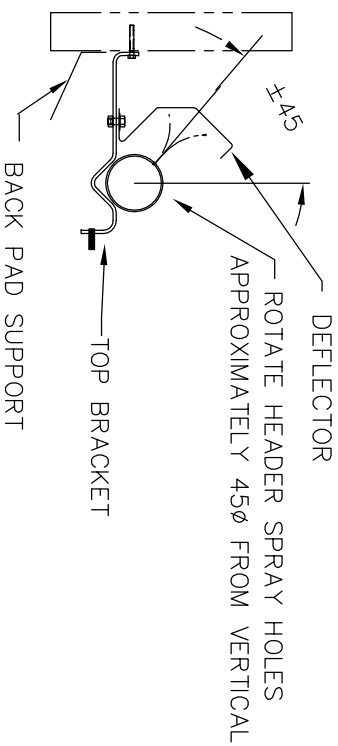
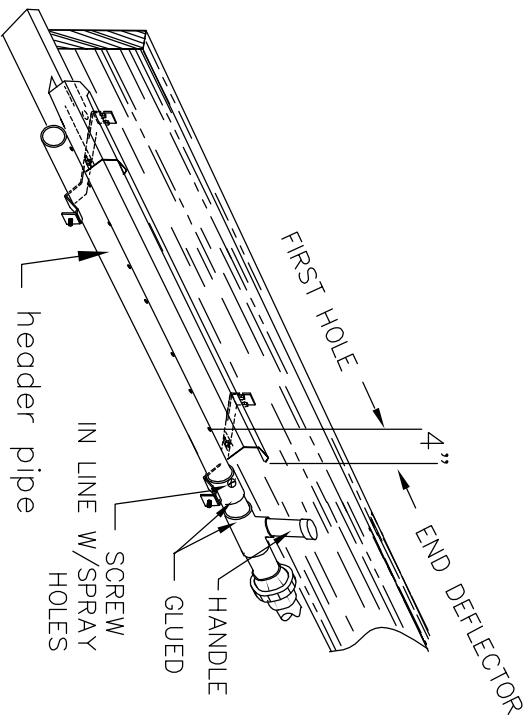
END FEED SYSTEM



HEADER PIPE DETAIL

STEP 1 (DO NOT GLUE HEADER PIPE)
 MAKE SURE HOLES ARE LINED UP WHEN ASSEMBLING HEADER. COUPLINGS ARE SCREW FASTENED TO PIPE WITH 2 EACH #8 TEC SCREWS. 1 SCREW EACH SIDE OF COUPLING.

STEP 2
 PLACE ASSEMBLED HEADER PIPE ON TOP BRACKETS. MAKE SURE THE HEADER SPANS FULL LENGTH OF TOP BRACKETS. JOIN BALL VALVE WITH ABOUT 3" OF PIPE TO OUT ENDS. PLACE HANDLE W/ ABOUT 3" ON IN FLOW END



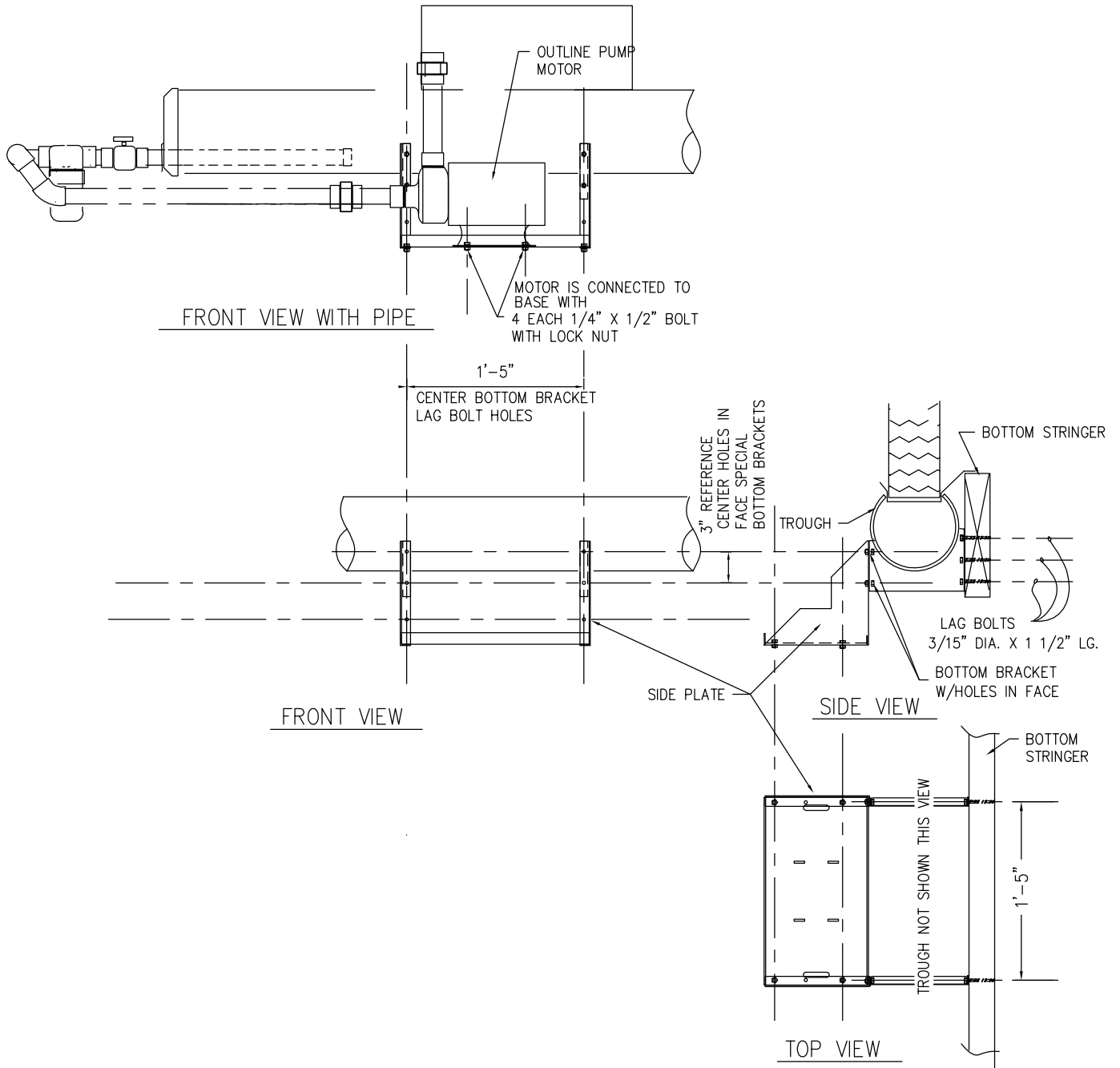
SIDE VIEW

STEP 3
 POSITION HEADER PIPE TO PROVIDE MINIMUM 4" BETWEEN FIRST SPRAY HOLE AND END OF DEFLECTOR. THIS TO PREVENT SPRAYING OUTSIDE THE DEFLECTOR. IT MAY BE NECESSARY TO CUT HEADER PIPE AND INSTALL A COUPLING TO GAIN THE 4" CLEARANCE.

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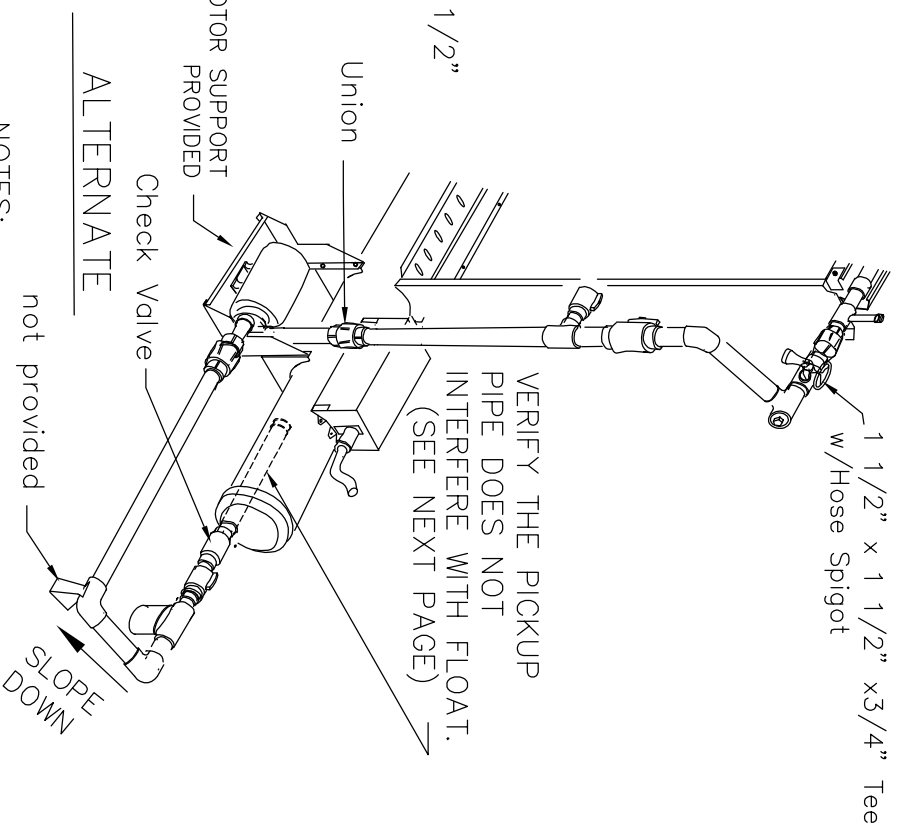
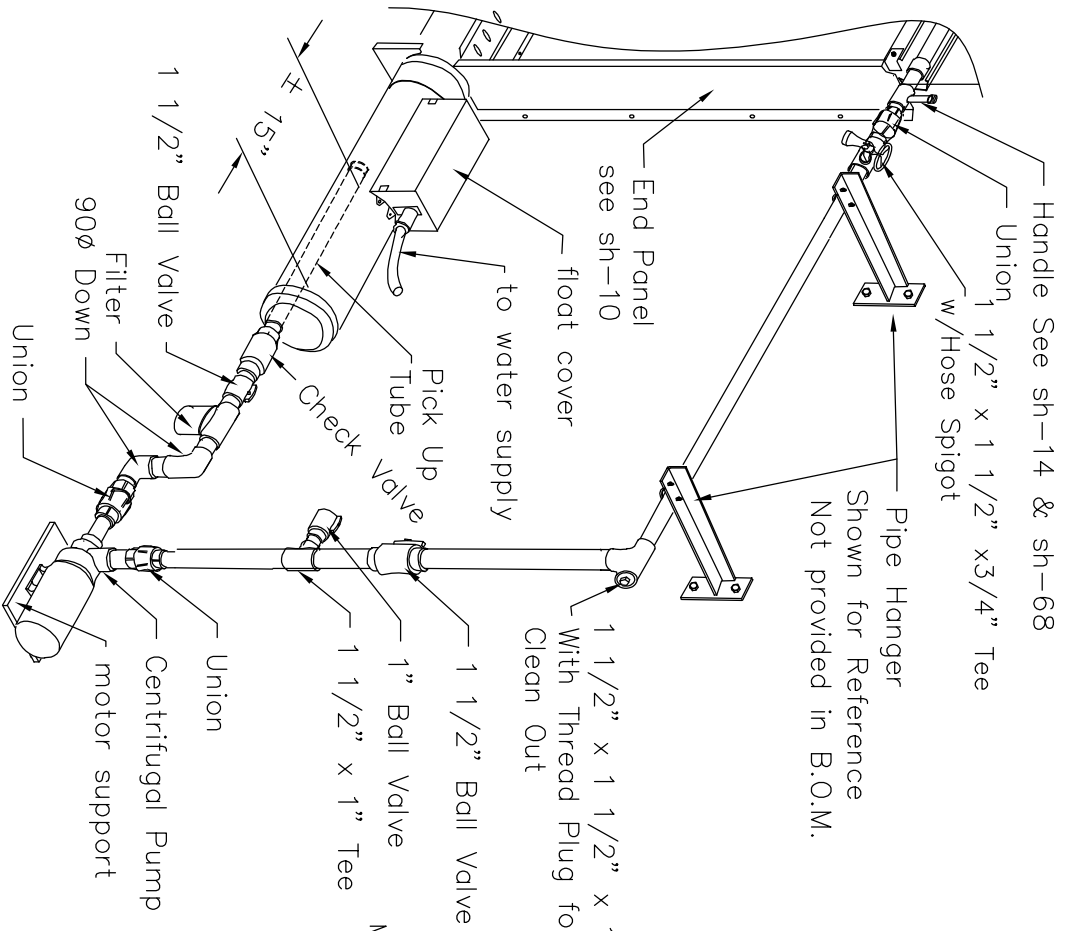
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 1-888-854-5221 fax 770 854 5540

MOTOR SUPPORT FRAME



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CENTRIFUGAL PUMP PIPING AND SUPPLY HEADER DETAIL



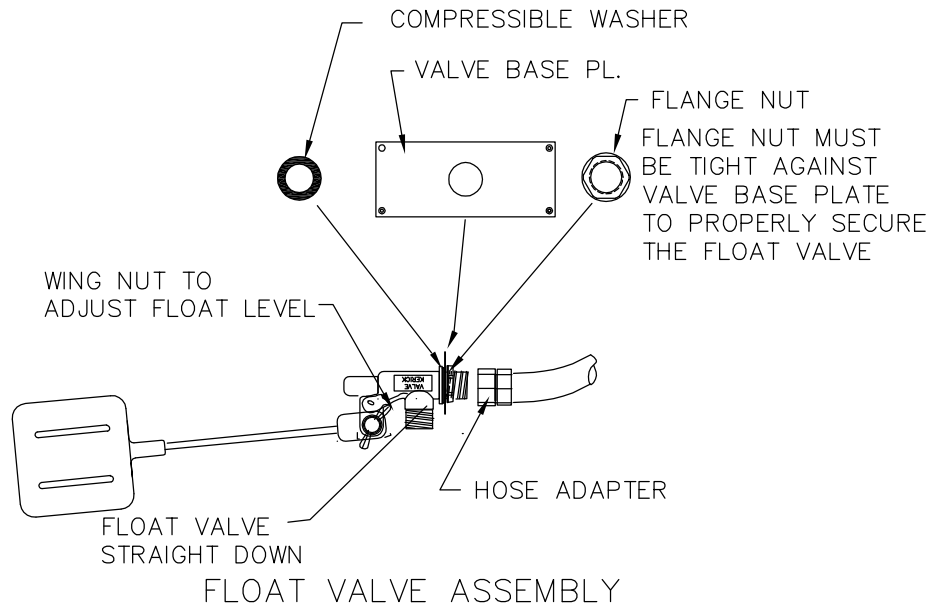
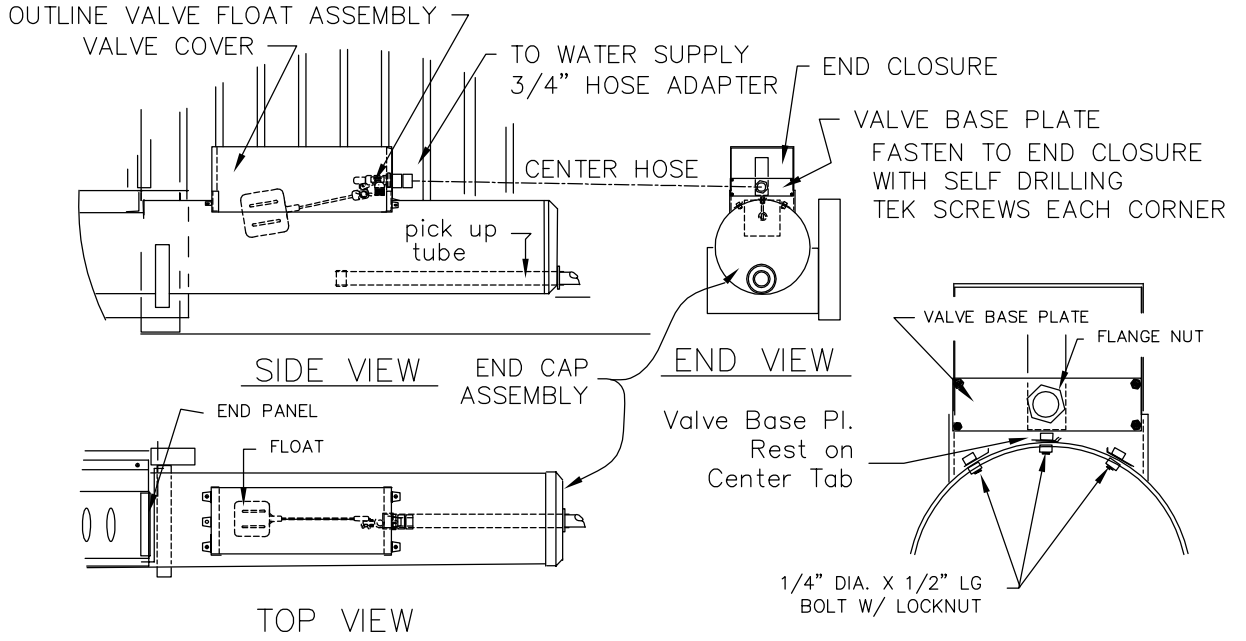
- NOTES:**
1. HOLES IN PICK-UP TUBE ARE TURNED DOWN
 2. PUMP MUST BE A MINIMUM OF TWO (2) INCHES LOWER THAN PICK-UP TUBE.
 3. THE CHECK VALVE MUST BE INSTALLED AS SHOWN ABOVE THE PUMP.

RECOMMENDED

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FLOAT VALVE COVER ASSEMBLY

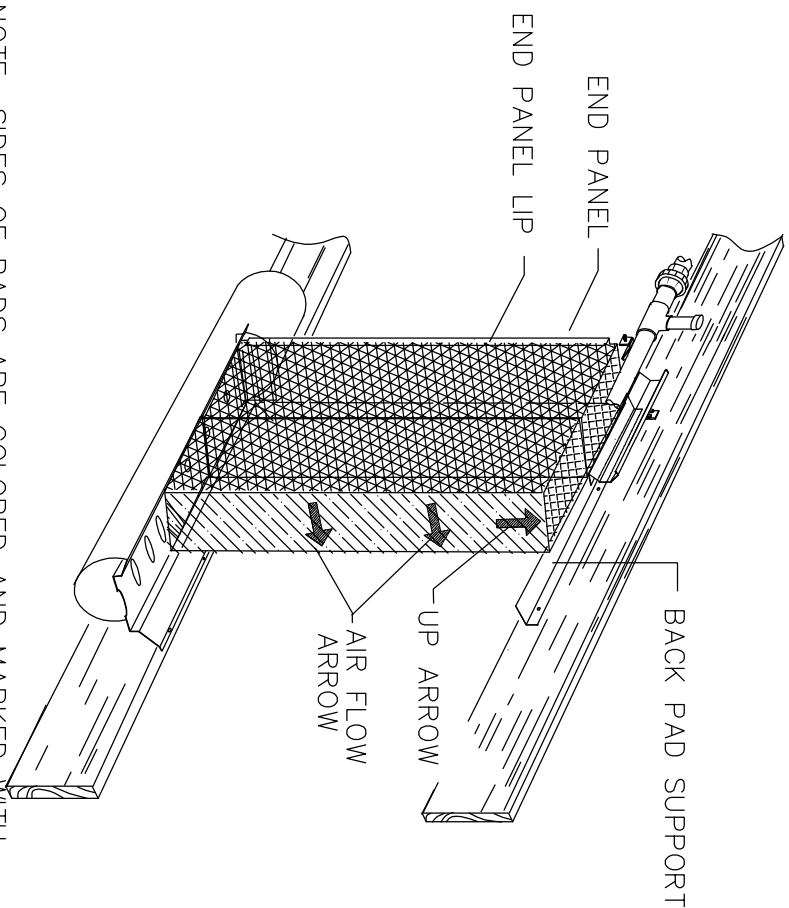
FLOAT VALVE ASSEMBLY



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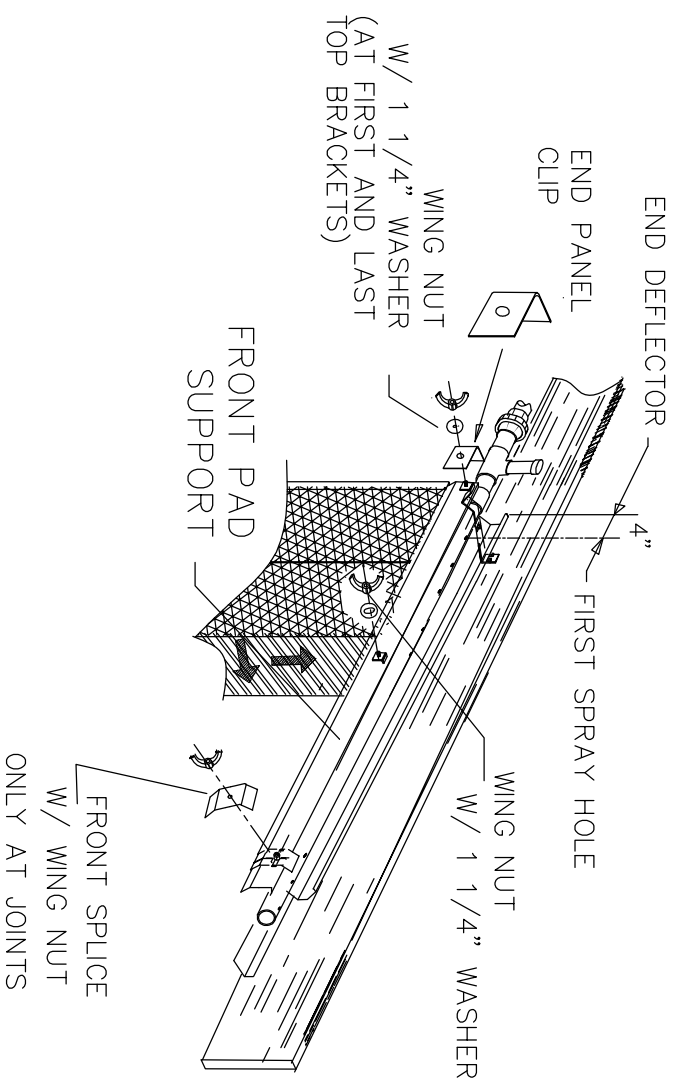
INSTALL PADS



NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO SHOW CORRECT ORIENTATION OF PADS. MAKE SURE PADS ARE PLACED CORRECTLY.

NEST THE FIRST PAD BEHIND LIP AGAINST THE END PANEL. INSTALL REMAINDER OF PADS TIGHTLY AGAINST THE PREVIOUSLY INSTALLED PAD. CONTINUE UNTIL THE NEXT TO LAST PAD HAS BEEN INSTALLED. IN ORDER TO INSTALL THE LAST PAD THE NEXT-TO-LAST PAD SHOULD BE SLID BEHIND FAR END PANEL LIP. THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

INSTALL FRONT PAD SUPPORT



THE FRONT PANEL CAN BE INSTALLED AS PADS ARE PLACED OR AFTER ALL PADS HAVE BEEN INSTALLED.

NOTE: ON ALUMINUM SYSTEM PEEL OFF PVC COATING AND PLACE REEVES SUPPLY STICKER ON END PANEL.

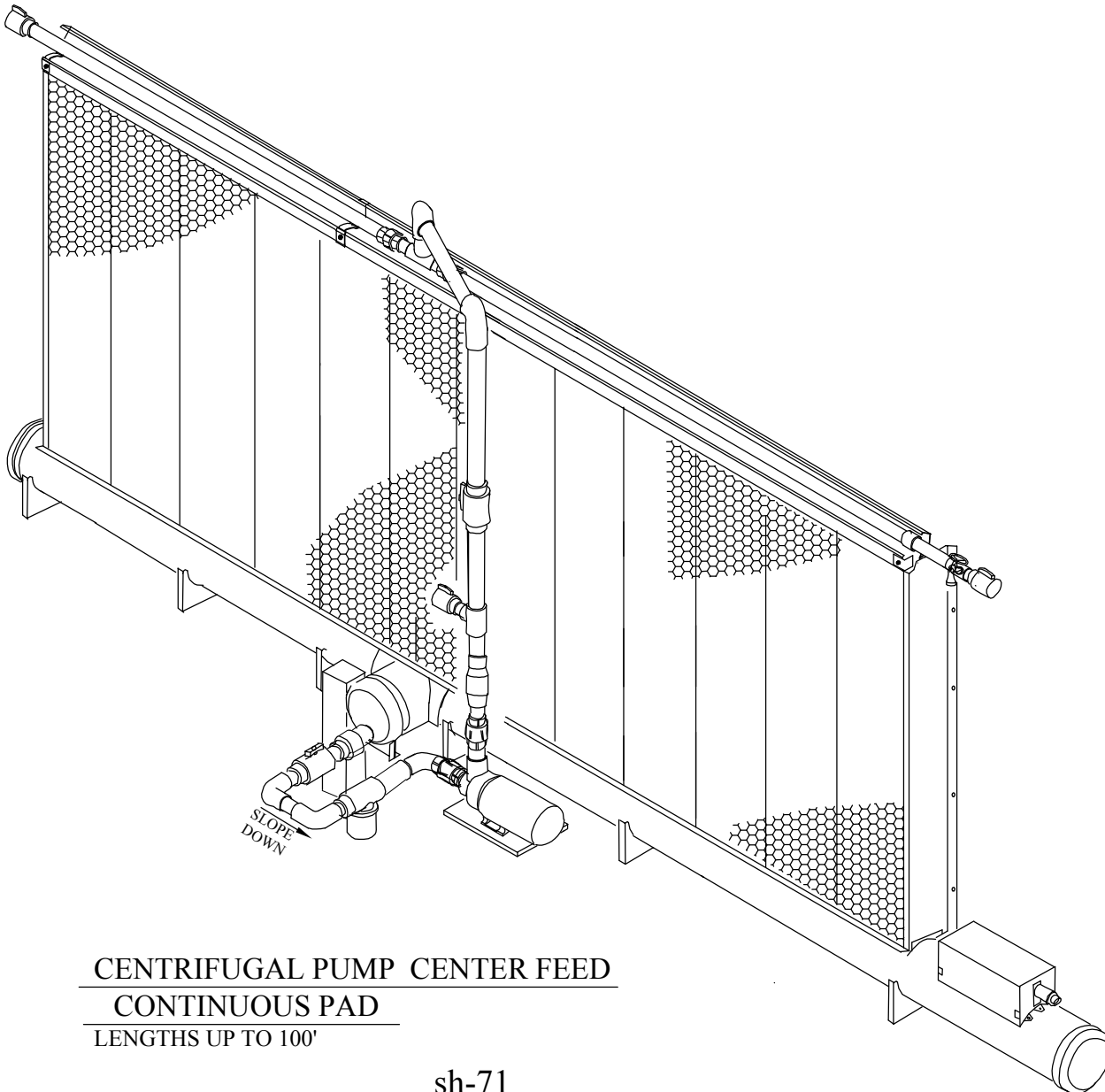
Reeves Supply Co. 1-888 854 5221

130 Dickerson Road Franklin Georgia 30217

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sheet no.

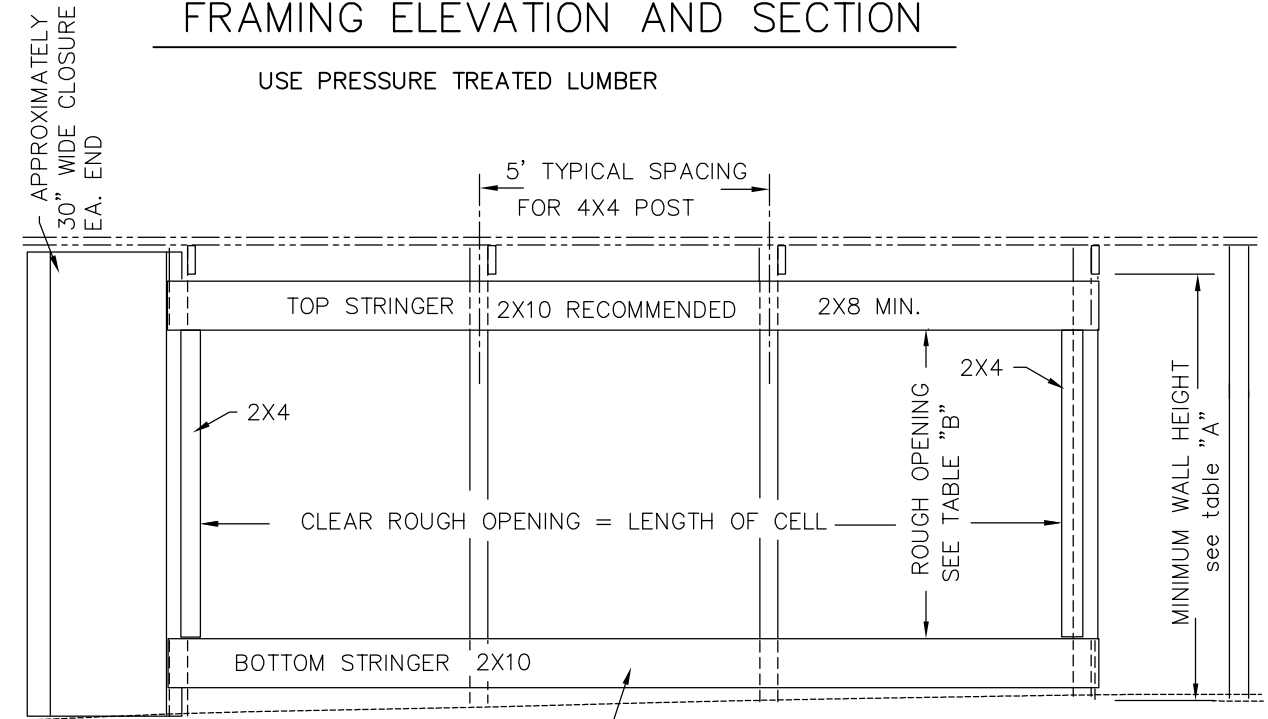
Centrifugal Pump Center Feed Contents -----	71
Framing Elevation & Section -----	72
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Install Top Brackets & Deflector -----	76
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Install Pads and Front Panel -----	82
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CENTRIFUGAL PUMP CENTER FEED
CONTINUOUS PAD
LENGTHS UP TO 100'

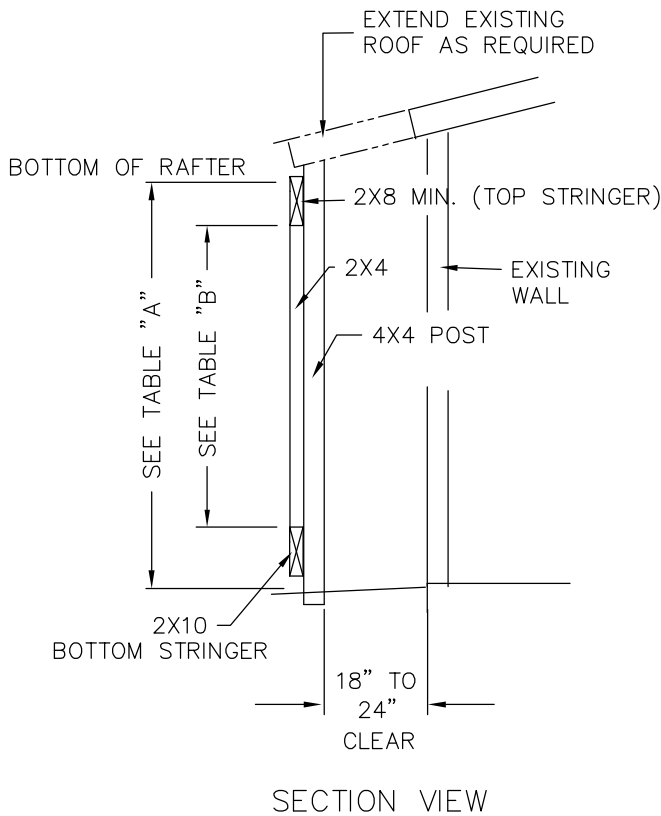
FRAMING ELEVATION AND SECTION

USE PRESSURE TREATED LUMBER



BOTTOM AND TOP STRINGER TO BE INSTALLED LEVEL.

BOTTOM 2X10 STRINGER TO BE TEMPORARILY NAILED IN PLACE. FINAL ANCHORAGE COMES WITH THE INSTALLATION OF THE BOTTOM BRACKETS



SECTION VIEW

MINIMUM WALL HEIGHT
PAD HEIGHT + 16" = "A"

PAD HEIGHT	OVERALL WALL HEIGHT	
	in FEET & IN	in INCHES
3' - 0"	4' - 4"	52"
4' - 0"	5' - 4"	64"
5' - 0"	6' - 4"	76"
6' - 0"	7' - 4"	88"

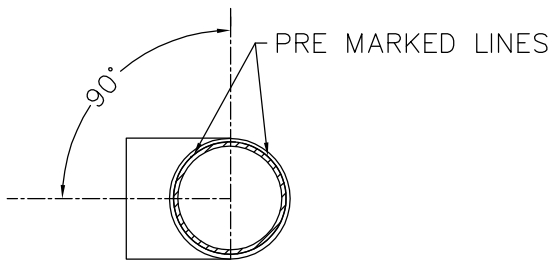
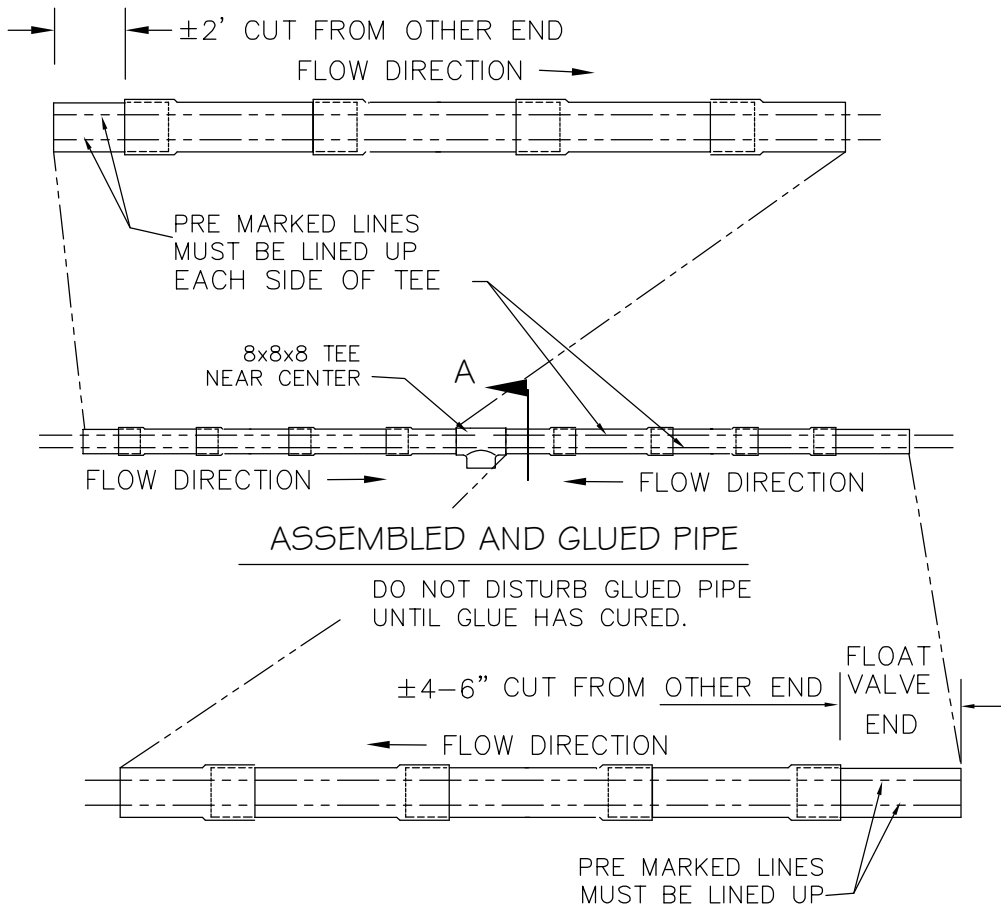
ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

PAD HEIGHT	CLEAR BETWEEN 2X10	
	in FEET & IN	in INCHES
3' - 0"	2' - 9"	33"
4' - 0"	3' - 9"	45"
5' - 0"	4' - 9"	57"
6' - 0"	5' - 9"	69"

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GLUE 8" PIPE TROUGH FOR CENTER FEED
CENTRIFUGAL PUMP- CONTINUOUS PAD SYSTEM

A MINIMUM OF 2' EXTRA 8" PIPE PROVIDED



SECTION A

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INSTALL BACK PAD SUPPORT

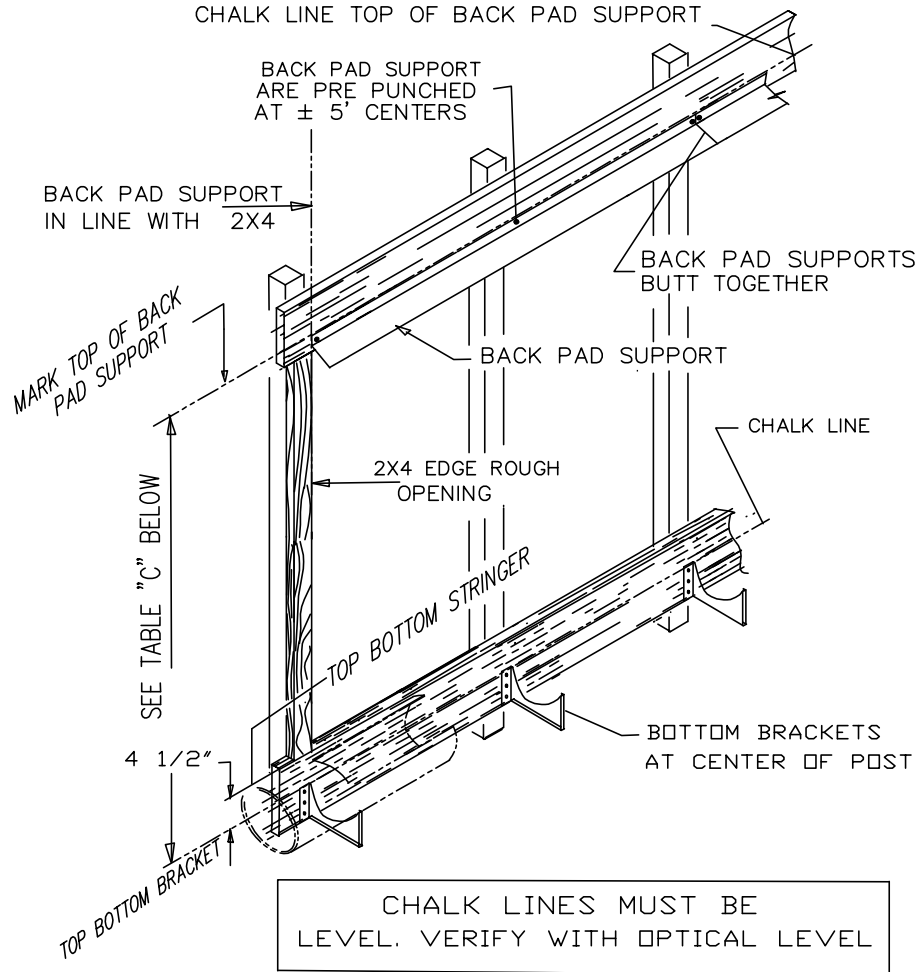


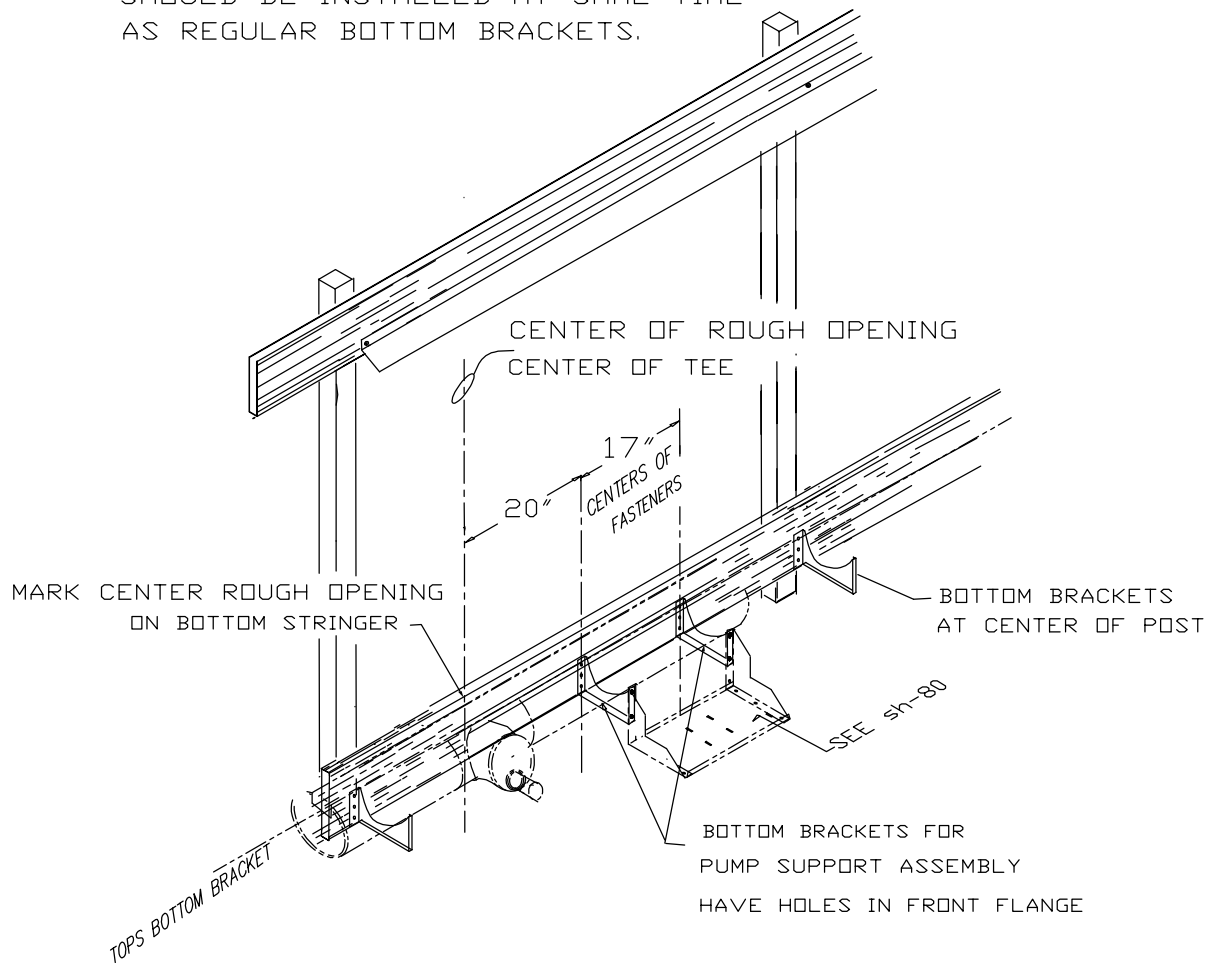
TABLE "C"		
PAD HEIGHT	DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT	
	IN FT. & IN.	INCHES
3' - 0"	3' - 4 1/2"	40.5"
4' - 0"	4' - 4 1/2"	52.5"
5' - 0"	5' - 4 1/2"	64.5"
6' - 0"	6' - 4 1/2"	76.5"

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BOTTOM BRACKETS FOR PUMP SUPPORT ASSEMBLY

FAILURE TO INSTALL SYSTEM
LEVEL WILL VOID WARRANTY

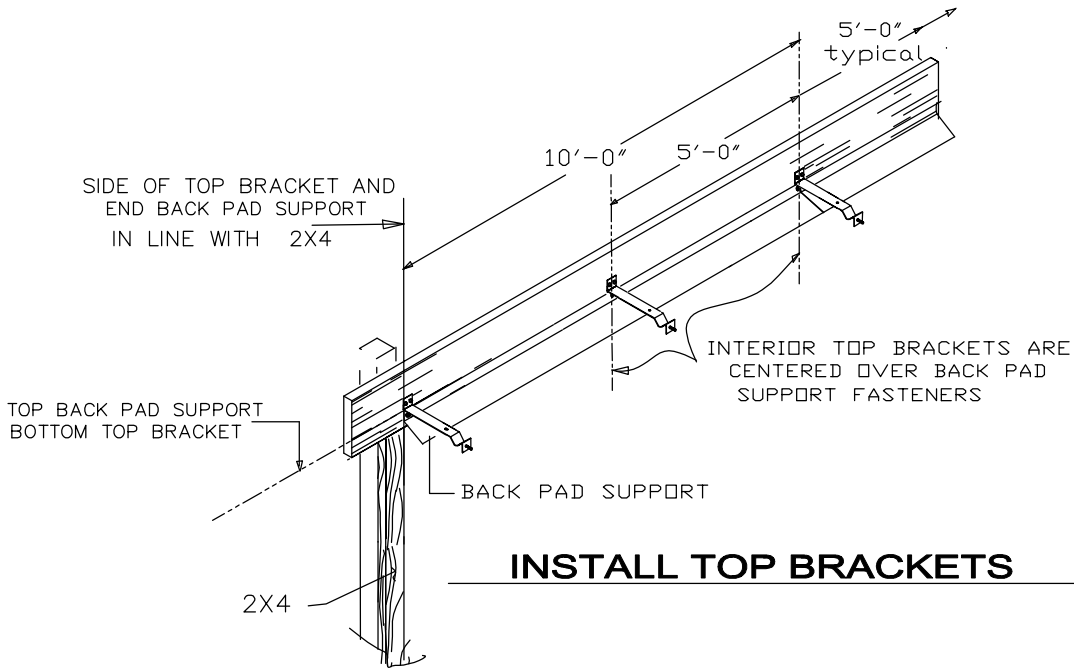
BOTTOM BRACKETS FOR PUMP SUPPORT
SHOULD BE INSTALLED AT SAME TIME
AS REGULAR BOTTOM BRACKETS.



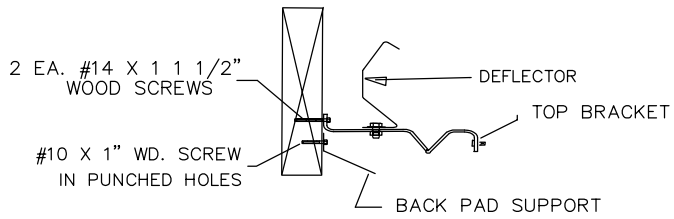
TO ASSURE ALIGNMENT THE WHOLE PUMP SUPPORT ASSEMBLY
TO BE ASSEMBLED AND HELD IN PLACE
WHILE FASTENER HOLES FOR THE BOTTOM
BRACKETS ARE LOCATED ON THE BOTTOM STRINGER.
TOPS OF ALL BOTTOM BRACKETS ARE IN LINE

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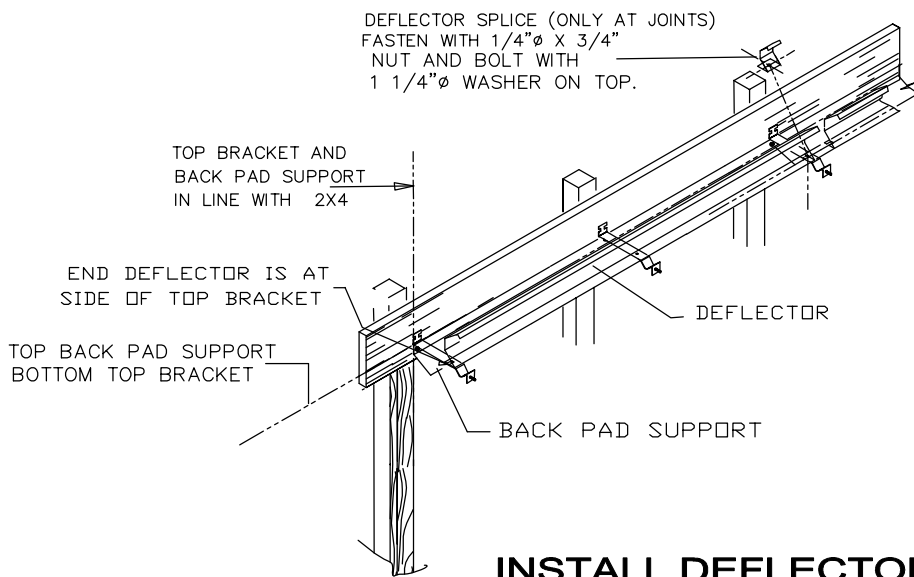
130 Dickerson Road - Franklin Ga. 30217



INSTALL TOP BRACKETS



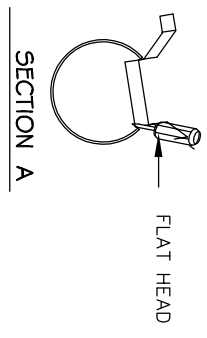
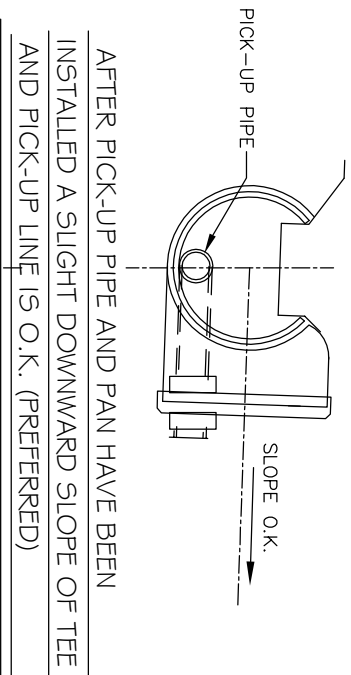
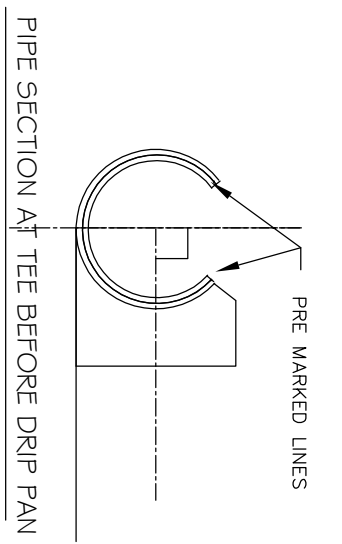
END VIEW



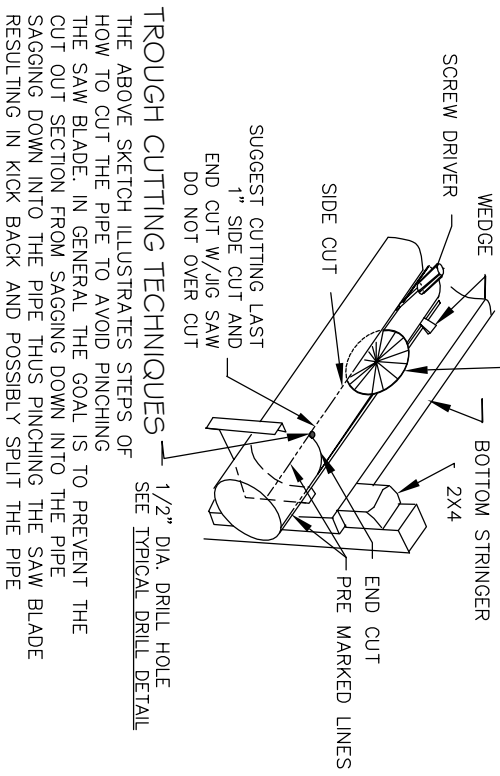
INSTALL DEFLECTOR

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TROUGH FABRICATION DETAILS

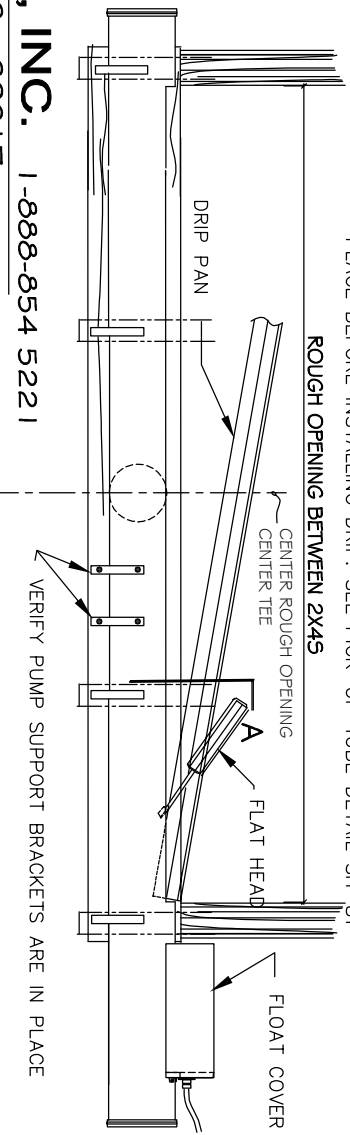


TROUGH CUTTING TECHNIQUES



PLACE DRIP PAN IN TROUGH

THOROUGHLY CLEAN THE TROUGH BEFORE INSTALLING THE DRIP PAN, DUE TO THE TIGHT FIT OF DRIP PAN IN THE TROUGH PIPE THE OPENING WILL MOST LIKELY REQUIRE PRYING OPEN TO "WALK IN" THE DRIP PAN. TYPICALLY A FLAT HEAD SCREW DRIVER WEDGED BETWEEN PIPE AND PAN JUST AHEAD OF THE SEATED AREA WORKS WELL. SLIGHT ROTATION OF THE PAN HELPS SEE SECTION "A" BELOW. MAKE SURE THE PICKUP LINE AND CAP ASSEMBLY ARE IN PLACE BEFORE INSTALLING DRIP. SEE PICK-UP TUBE DETAIL SH-81



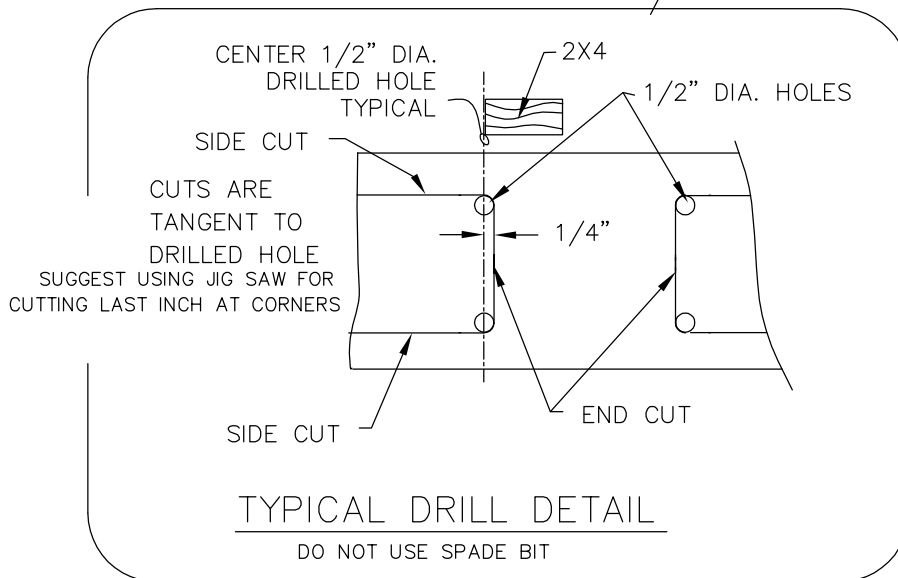
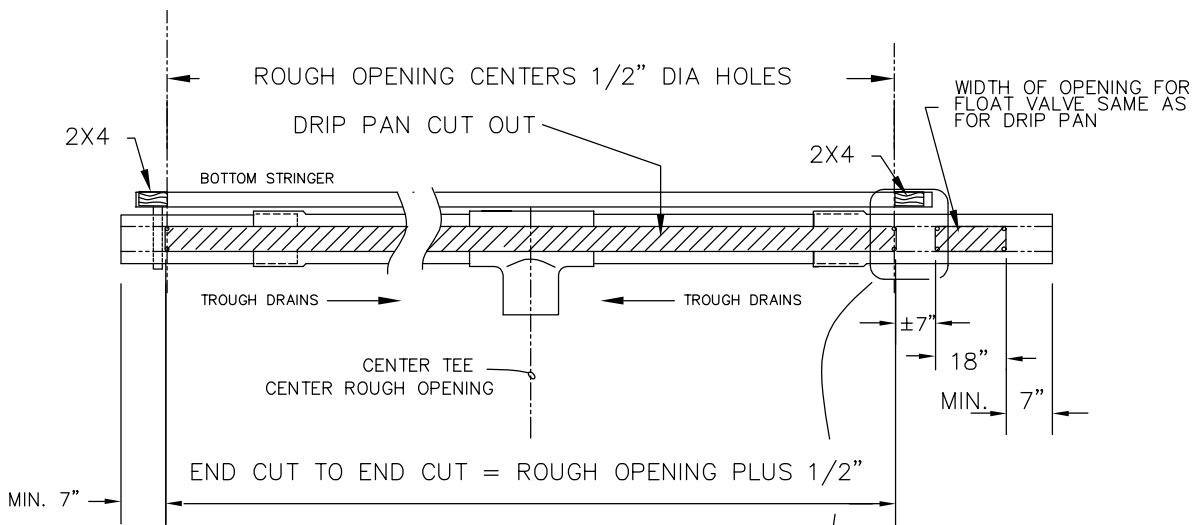
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CUT PIPE FOR CENTRIFUGAL PUMP CENTER FEED

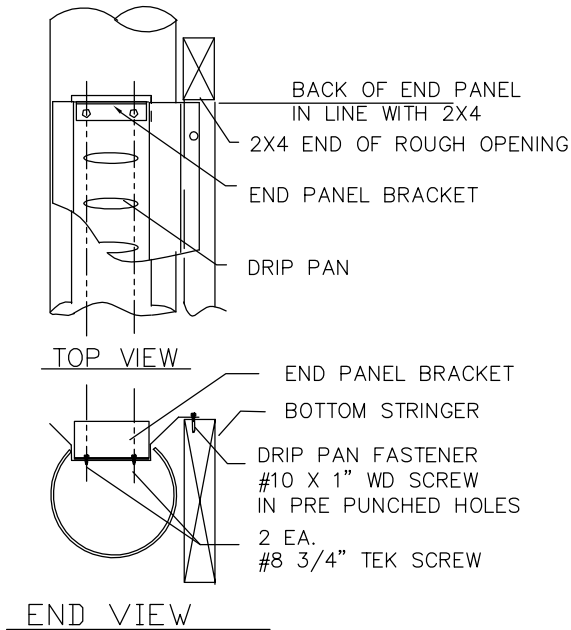
DO NOT DISTURB GLUED PIPE
UNTIL GLUE HAS CURED.

DRILL 1/2" DIA HOLES
IN 4 CORNERS CUT OUTS

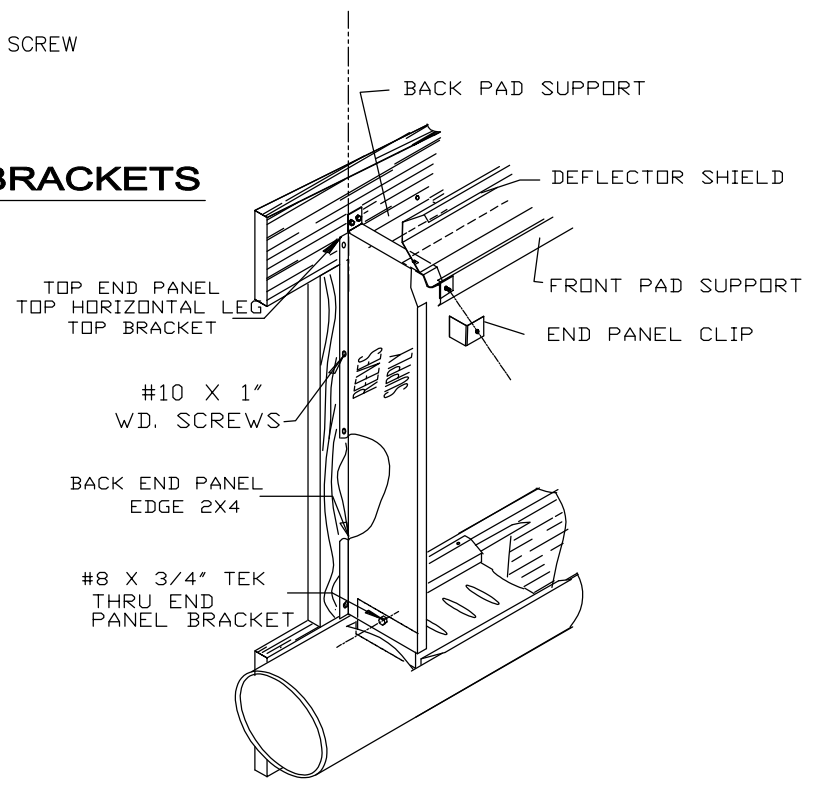


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INSTALL END PANELS BRACKETS

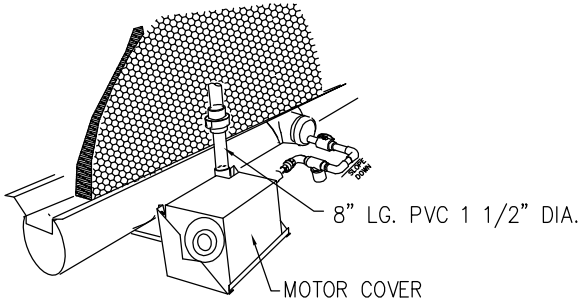


INSTALL END PANELS

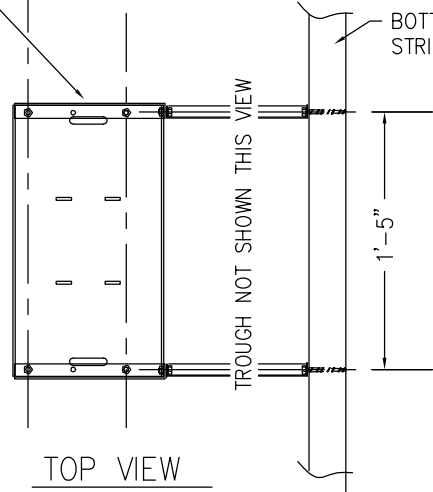
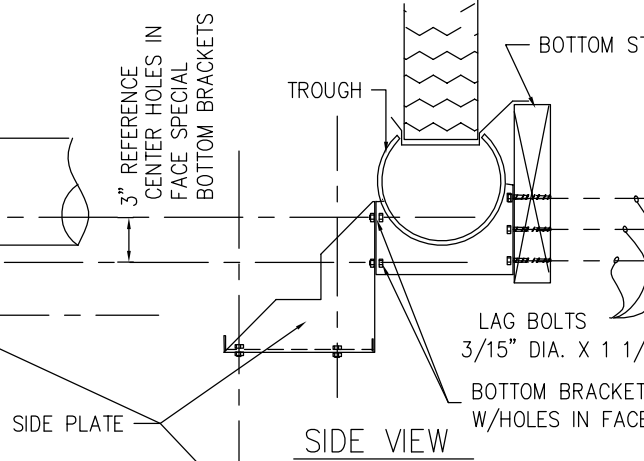
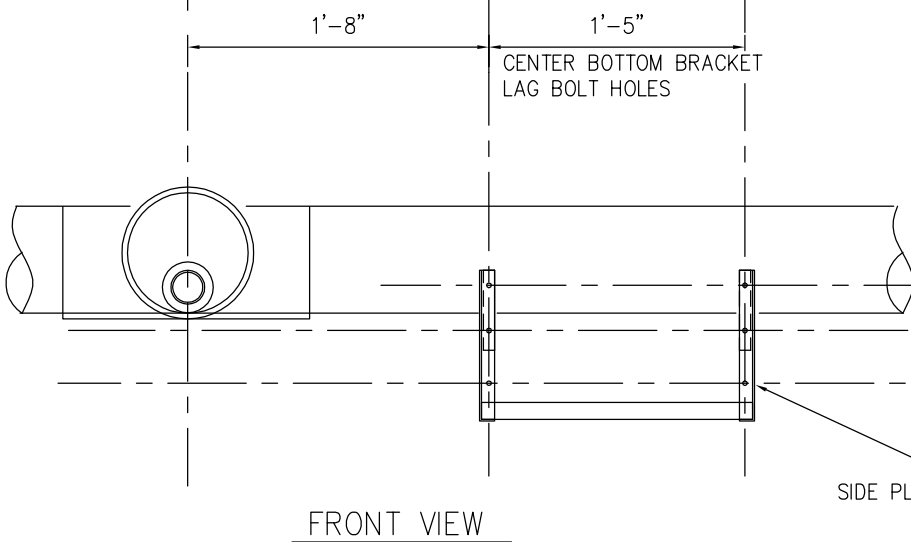
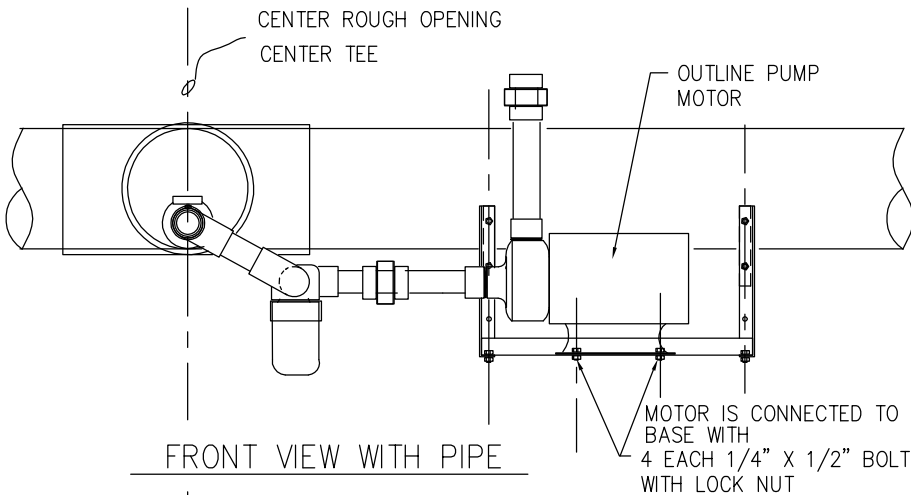
BOTH ENDS

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MOTOR SUPPORT FRAME

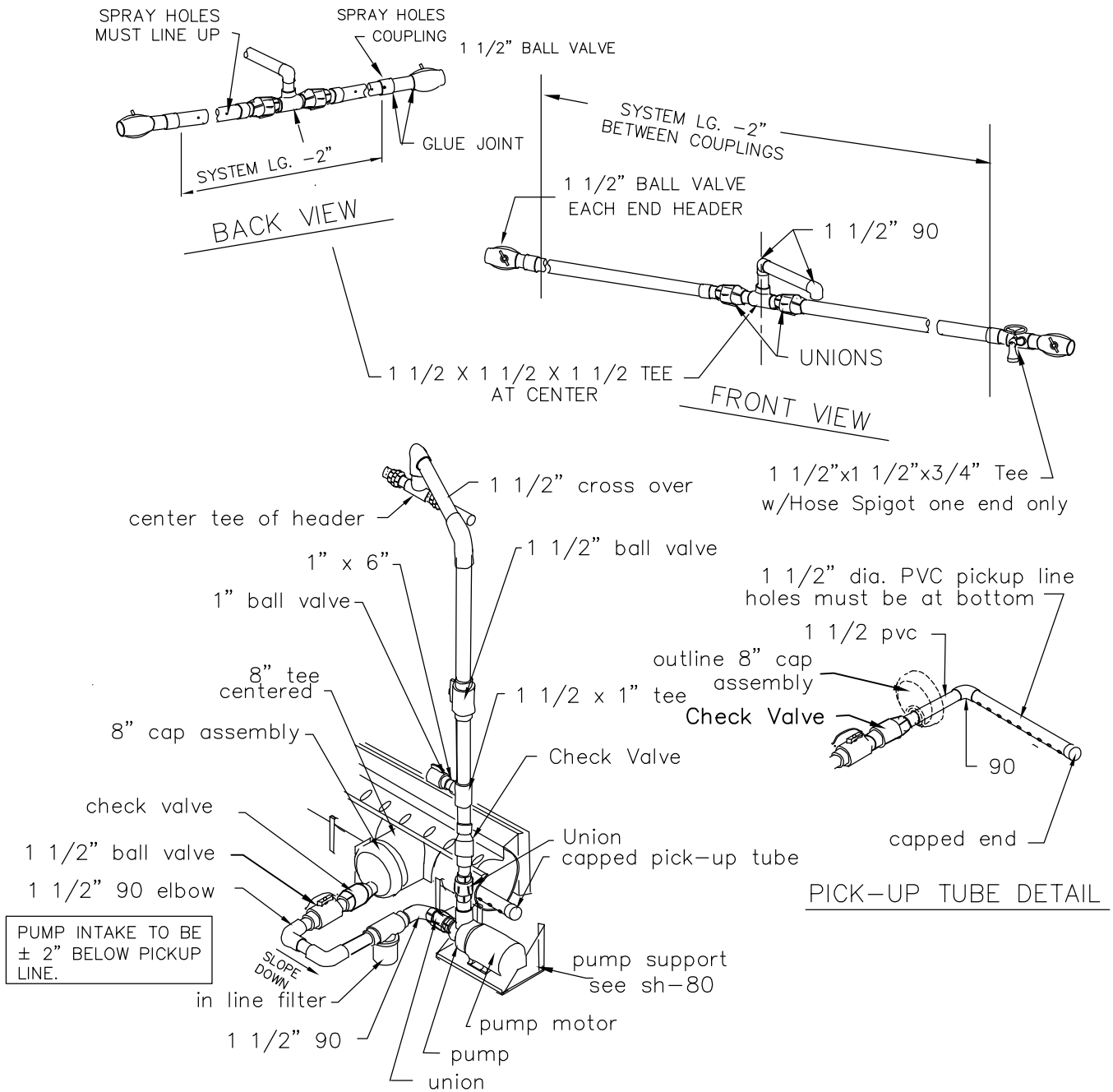


TYPICALLY THE PUMP IS MOUNTED TO THE RIGHT OF THE CENTER TEE. AS SHOWN BELOW. SHOULD THE PUMP BE PLACED TO THE LEFT AS SHOWN IN THE SKETCH TO THE LEFT THEN AN 8" SECTION OF PIPE SHOULD BE PLACED BETWEEN UNION AND THREADED COUPLER TOP MOTOR. PLACING THE MOTOR ON THE LEFT SIDE CREATES A TIGHT CLEARANCE WITH THE 8" TROUGH.



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HEADER PIPE FOR CENTER FEED, CENTRIFUGAL

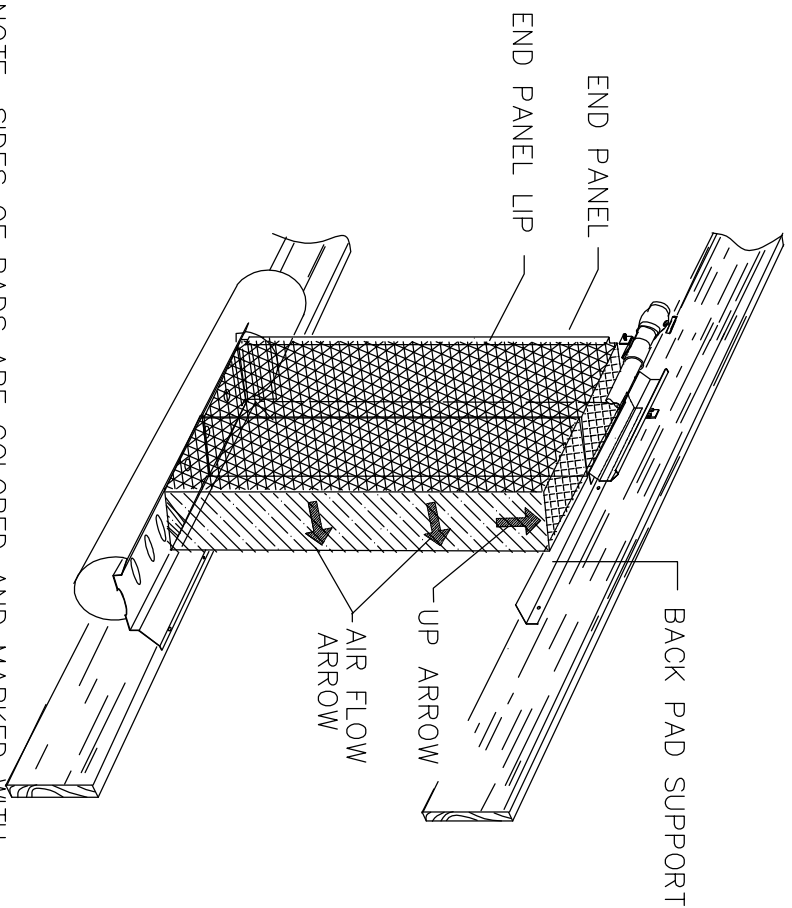


SUPPLY HEADER FOR CENTRIFUGAL PUMP

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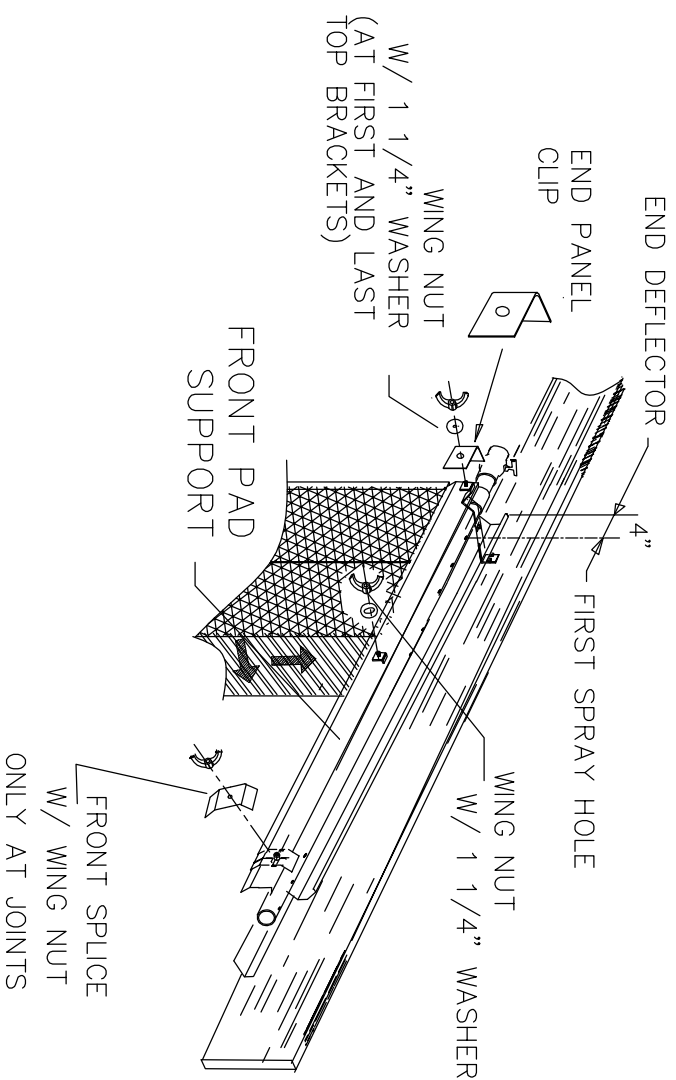
INSTALL PADS



NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO SHOW CORRECT ORIENTATION OF PADS. MAKE SURE PADS ARE PLACED CORRECTLY.

"NEST THE FIRST PAD BEHIND LIP AGAINST THE END PANEL INSTALL REMAINDER OF PADS TIGHTLY AGAINST THE PREVIOUSLY INSTALLED PAD. CONTINUE UNTIL THE NEXT TO LAST PAD HAS BEEN INSTALLED. IN ORDER TO INSTALL THE LAST PAD THE NEXT-TO-LAST PAD SHOULD BE SLID BEHIND FAR END PANEL LIP. THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

INSTALL FRONT PAD SUPPORT



THE FRONT PANEL CAN BE INSTALLED AS PADS ARE PLACED OR AFTER ALL PADS HAVE BEEN INSTALLED.

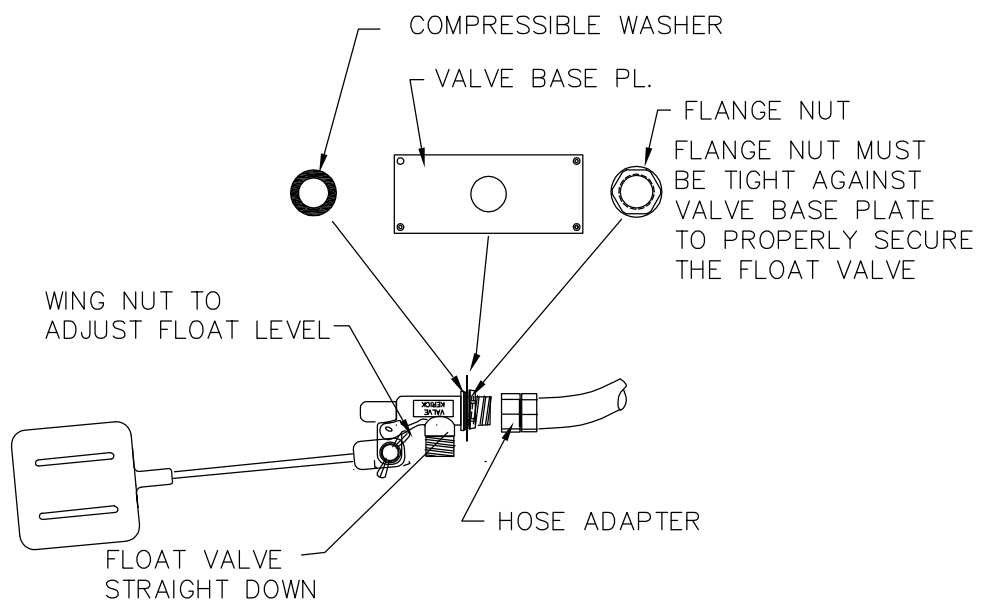
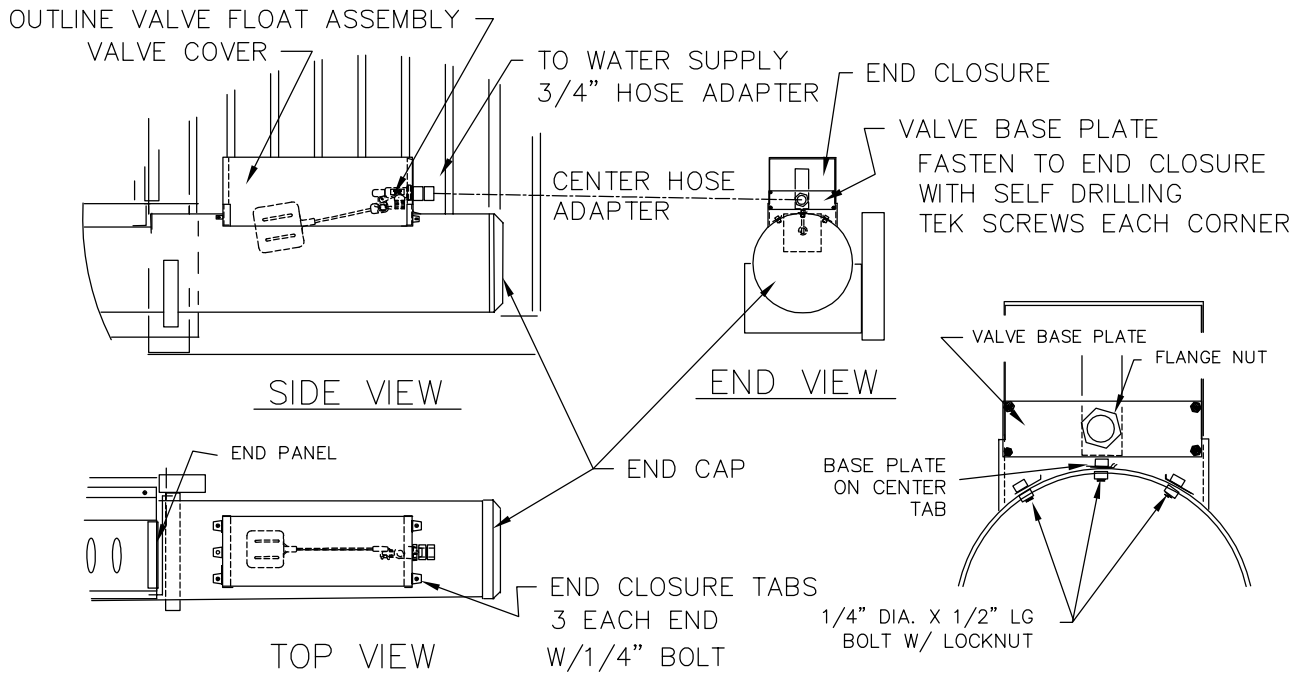
NOTE: ON ALUMINIUM SYSTEM PEEL OFF PVC COATING AND PLACE REEVES SUPPLY STICKER ON END PANEL.

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FLOAT VALVE COVER ASSEMBLY

FLOAT VALVE ASSEMBLY

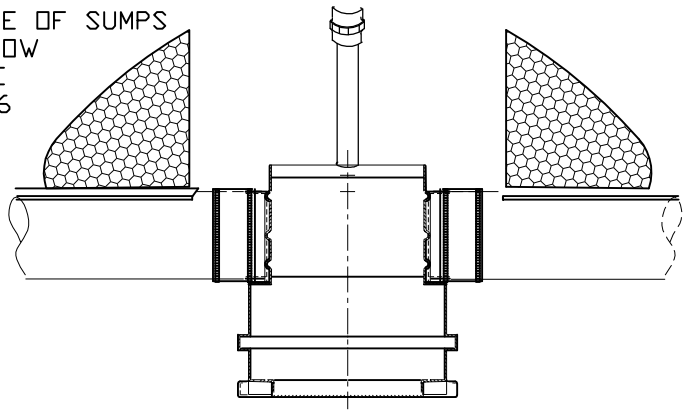


FLOAT VALVE ASSEMBLY

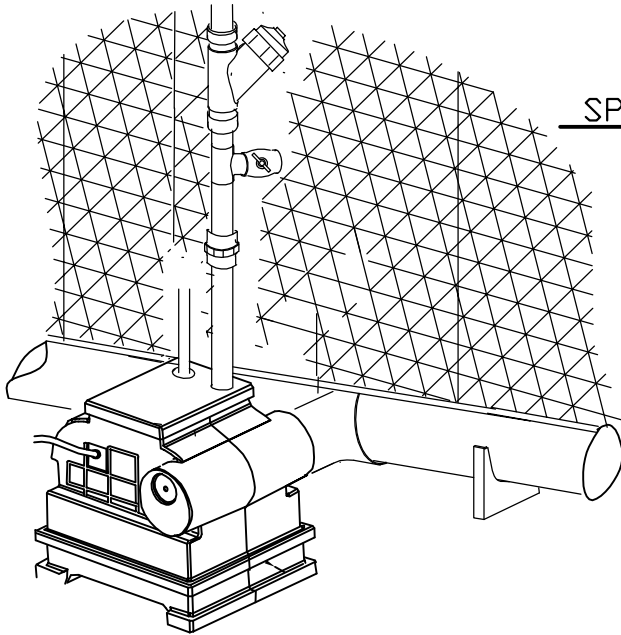
Reeves Supply Co. 1-888 854 5221

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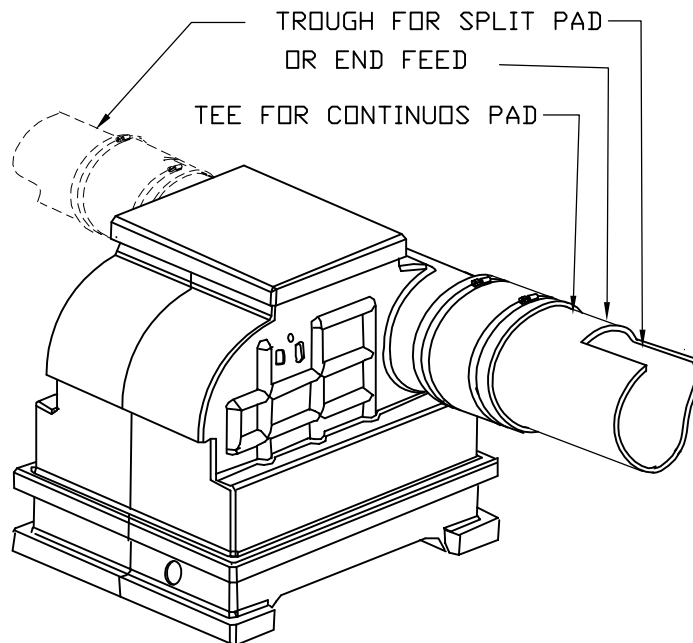
REEVES SUPPLY COMPANY OFFERS CHOICE OF SUMPS FOR THEIR SYSTEMS. THE SKETCHES BELOW SHOW A POLY TANK ALTERNATE FOR THE SUMPS WITH PVC "TEE" SHOWN ON SH-16 IN THE MANUAL. THE 5 FOLLOWING SHEETS DETAIL THE POLY TANK OPTION. SEE sh-89



SPLIT PAD PARTIAL ELEVATION

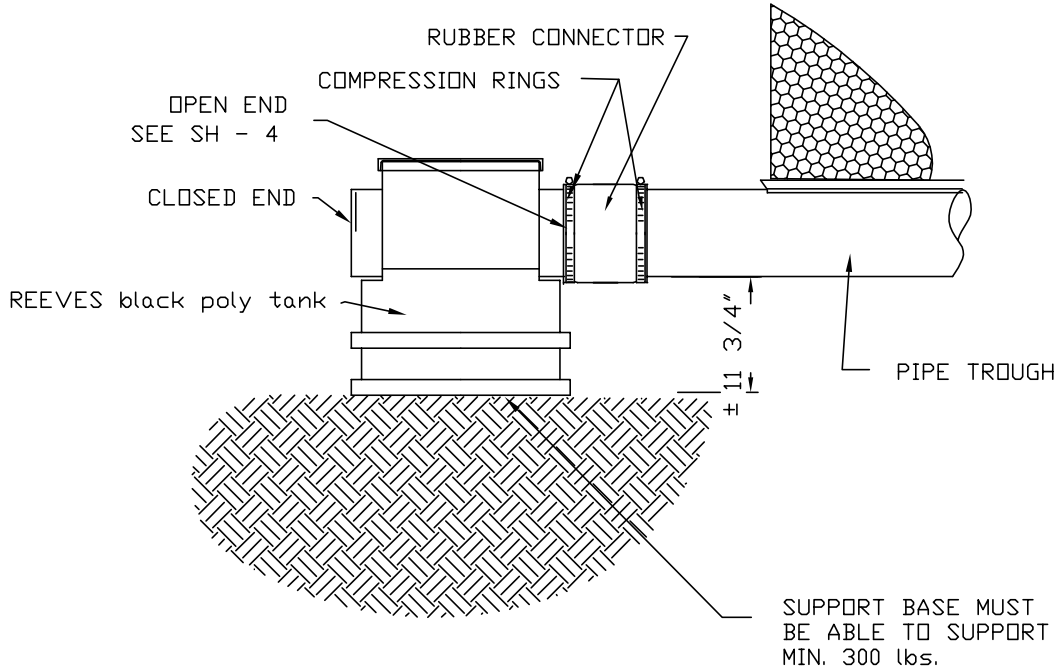


CONTINUOUS PAD PARTIAL ELEVATION

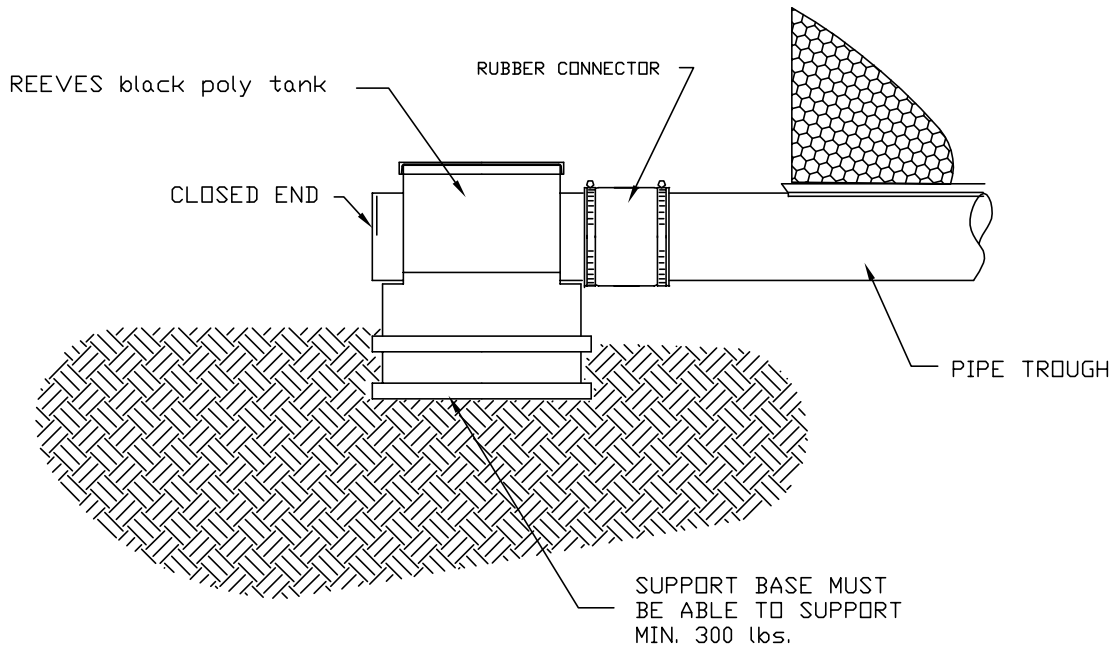


REEVES BLACK POLY TANK

VERTICAL LOCATION OF THE TANK WILL BE DETERMINED BY THE HEIGHT OF THE 8" PVC TROUGH (DRIP COLLECTOR) PIPE. WHETHER THE TANK BASE BE ON TOP OF GROUND OR BELOW TOP GROUND THE SUPPORTING SURFACE MUST BE CAPABLE OF SUPPORTING MINIMUM 300 LBS

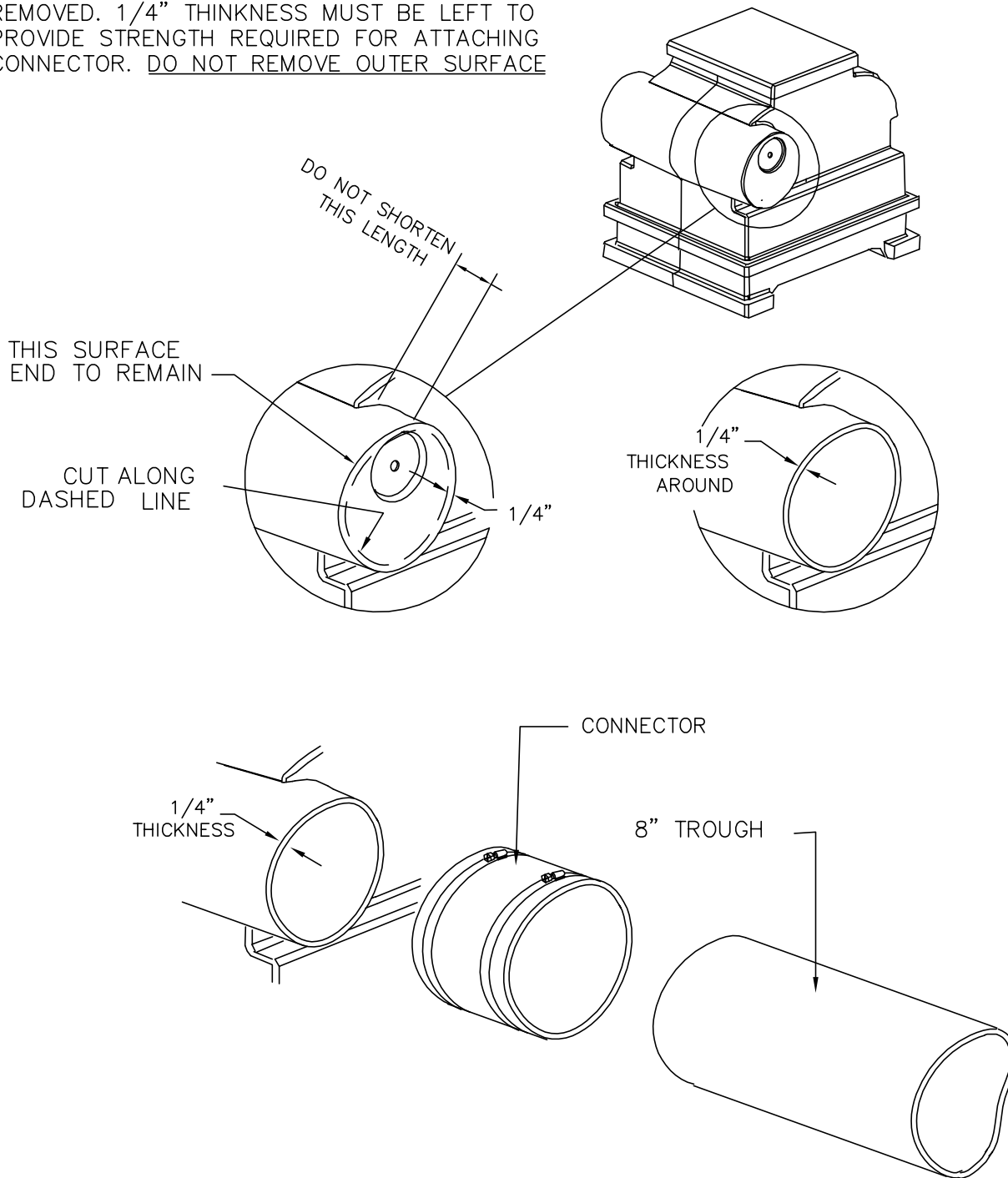


TANK ON GROUND

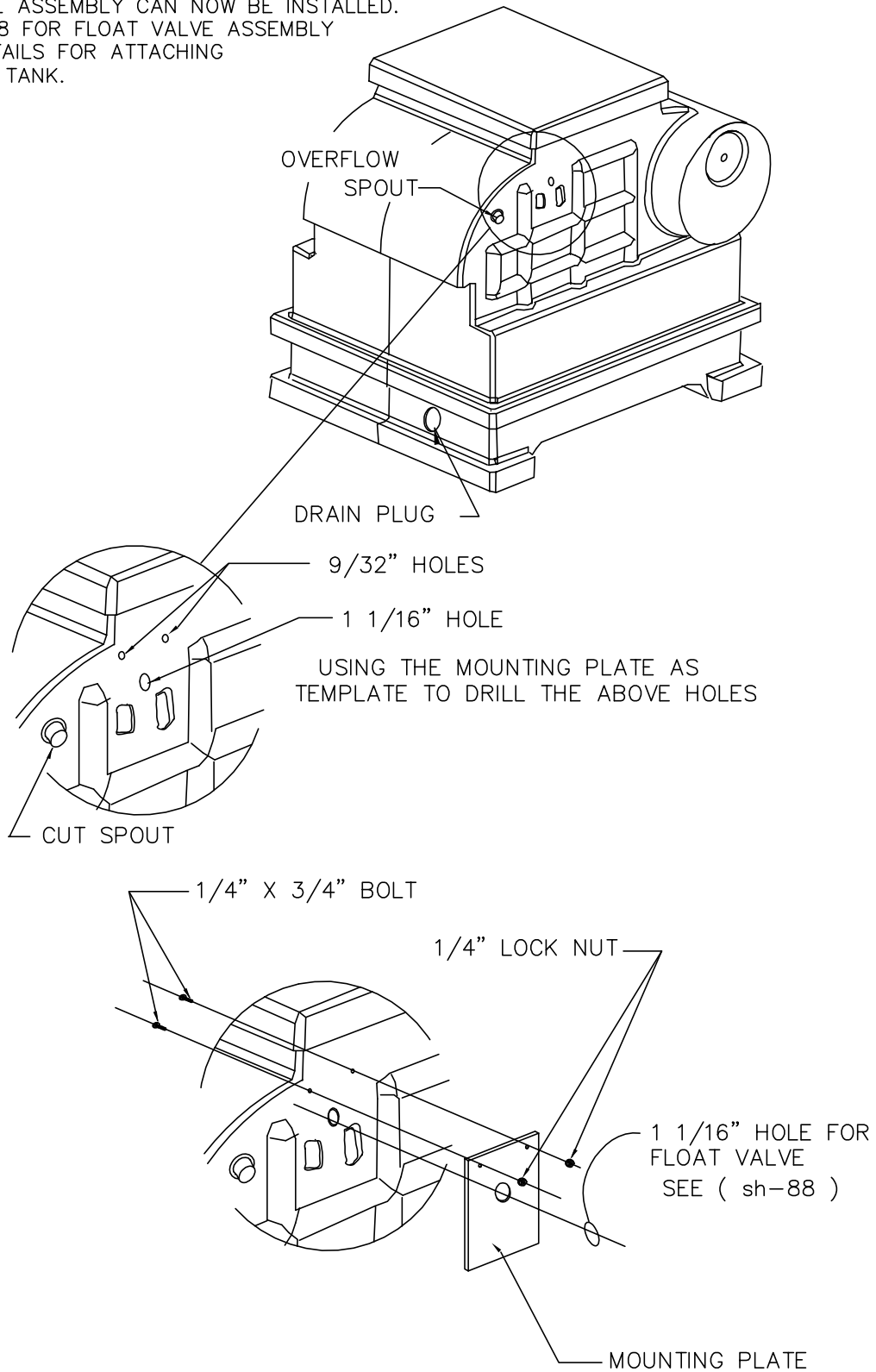


TANK BELOW GROUND

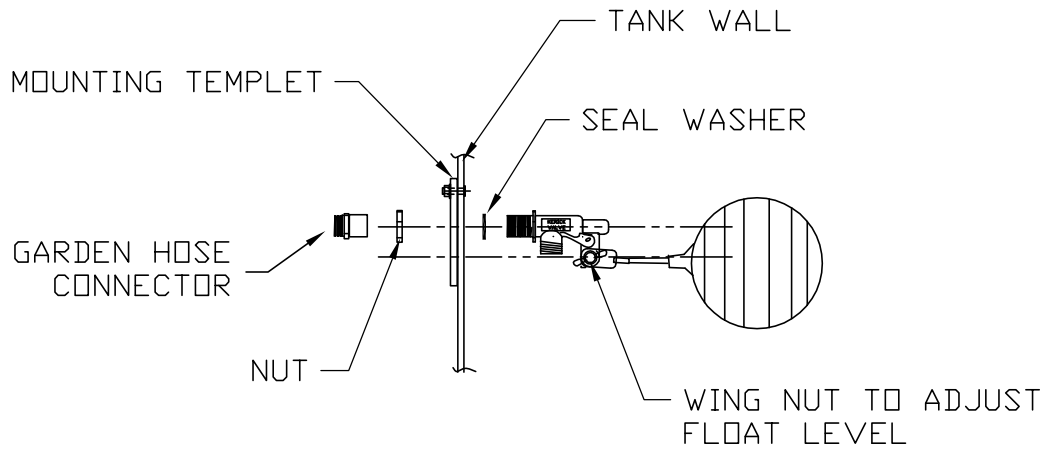
PREPING THE TANK FOR ATTACHING TO THE 8" TROUGH. THE FLAT END TO BE REMOVED AS SHOWN BELOW. IT IS CRITICAL ONLY THE FLAT SURFACE BE REMOVED. 1/4" THICKNESS MUST BE LEFT TO PROVIDE STRENGTH REQUIRED FOR ATTACHING CONNECTOR. DO NOT REMOVE OUTER SURFACE



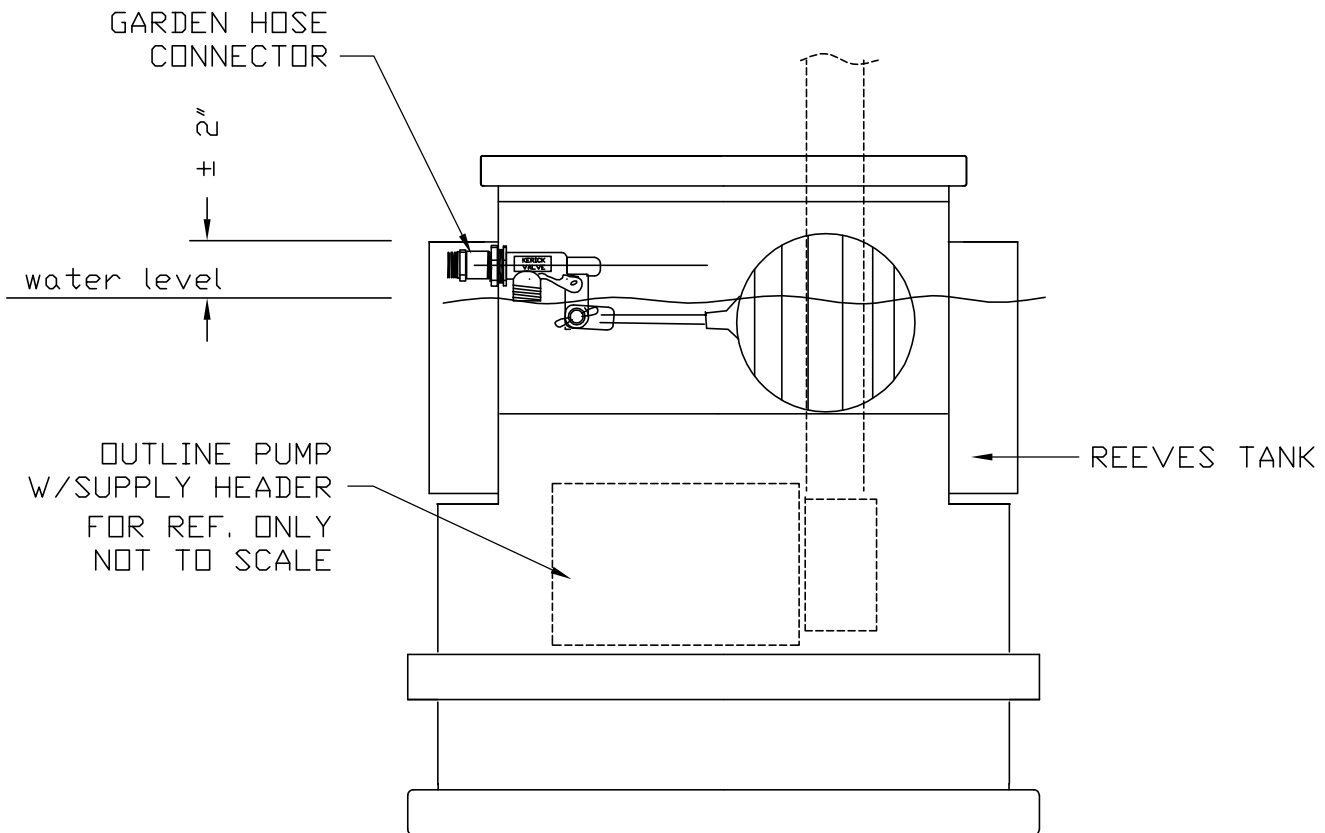
NOW THE MOUNTING PLATE CAN BE FASTENED TO THE EXTERIOR SURFACE OF THE TANK WITH THE 2 EA. 1/4" ϕ x 3/4" lg. WAFER HEAD BOLTS. THE FLOAT VALVE ASSEMBLY CAN NOW BE INSTALLED. REFERENCE sh-88 FOR FLOAT VALVE ASSEMBLY DETAILS AND DETAILS FOR ATTACHING FLOAT VALVE TO TANK.



FLOAT VALVE ASSEMBLY AND INSTALLATION

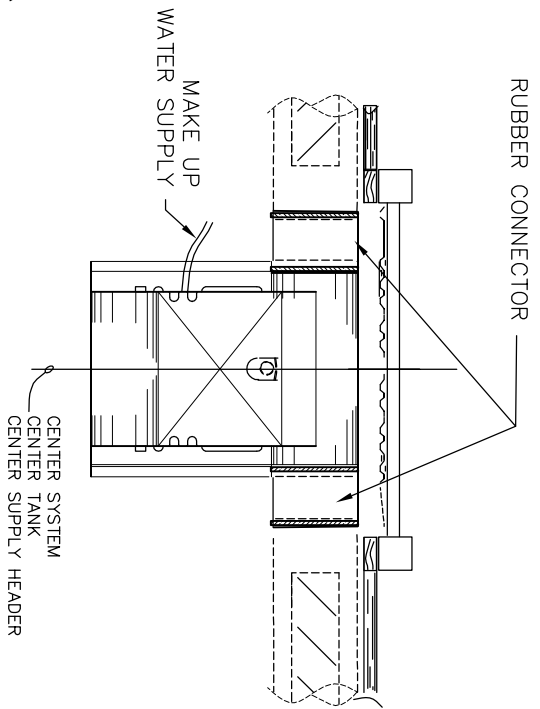
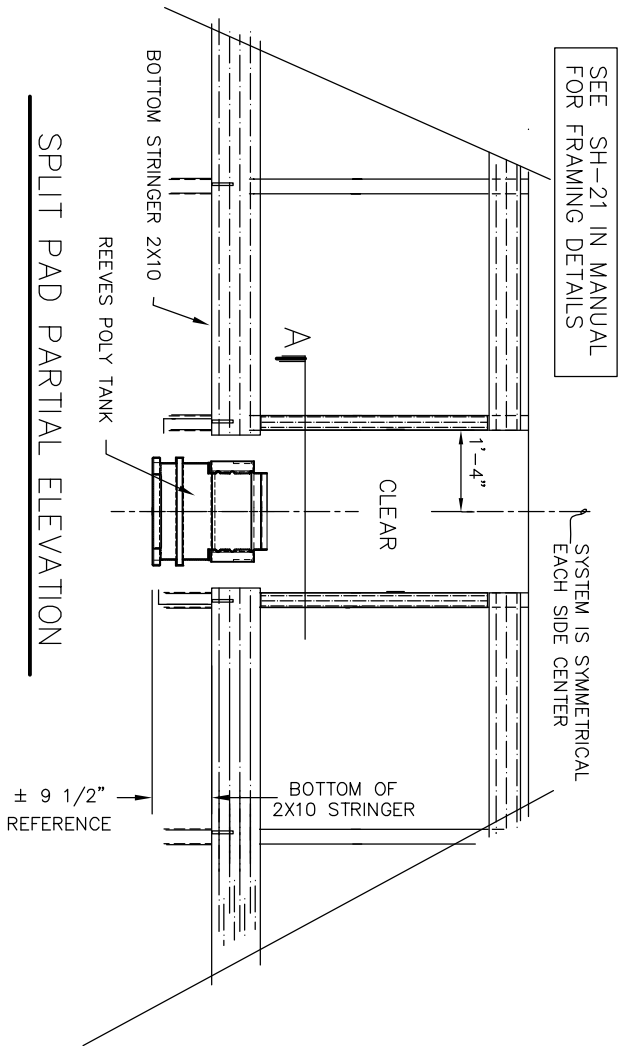


FLOAT VALVE ASSEMBLY

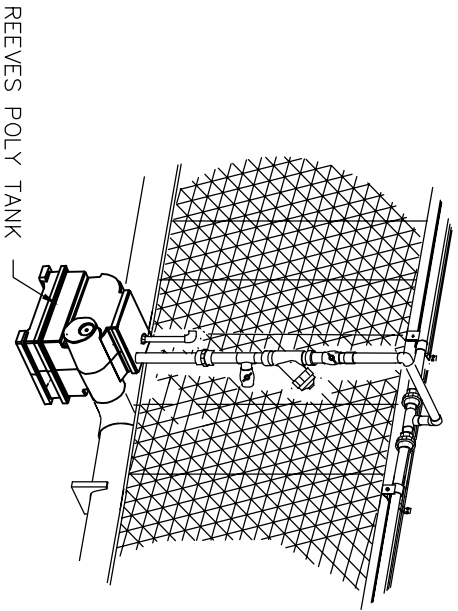


ASSEMBLED TANK

CENTER FEED SYSTEMS

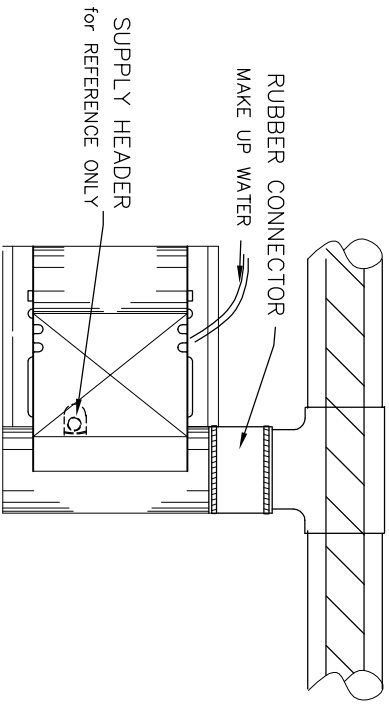


★ PARTIAL PLAN TOP VIEW



CONTINUOUS PAD PARTIAL ELEVATION

SEE SH-32 IN MANUAL FOR FRAMING DETAILS



★ PARTIAL PLAN TOP VIEW

CENTER FEED CONTINUOUS

(REFERENCE MANUAL SH-37)