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SYSTEMS
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TOOLS REQUIRED FOR INSTALLATION

PVC Piping Glue
Circular Saw
Line & Hand Level
Transit or surveyors level
Wrench
Phillips & flat Screw driver

PVC Piping Cutter
Ladder 8' Step
Chalk Line
Drill w/1/4" bit
"Sharpie" Marker

PVC Pipe Cleaner
Tape Measure
Hammer
Ratchet Set
Nut Driver
Plywood Saw Blade
min. 140 tooth

Reeves Supply Co., INC.
130 Dickerson Road- Franklin Georgia 30217
1-888-854-5221   fax 770 854 5540
GENERAL SKETCHES OF SYSTEMS
REEVES SUPPLY COMPANY OFFERS WITH THEIR LOCATION IN INSTALLATION MANUAL

See sh-7

See sh-20

See sh-31

See sh-44

See sh-57

See sh-71

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

CENTRIFICAL PUMP OPTION

END MOUNTED CENTRIFUGAL PUMP
LENGTHS UP TO 70'

CENTRIFUGAL PUMP CENTER FEED
CONTINUOUS PAD
LENGTHS UP TO 100'

POLY TANK ALTERNATE
Limit on/off cycling

Suitable water treatment.

If algae develops in pipes it may be necessary to treat the water with algae treatment.

Extening Pad Life

Longer service life and more efficient operation system. maintenance program takes a small amount of time and will pay off with problems are algae growth, scale, and dirt built up on the pads. A good operation the efficiency of the system. The more these problems with use of your system you will become aware of various factors that contribute to break-in period. Turn the water off and expect the pads will clean.

Initial Startup Operation

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 on the system. 60% of the water that does not pass is recirculated.

System optimization look for signs of scale formation. Scale is a water evaporates. If scale is noticed increase bleed off rate.

During system operation look for signs of scale formation. Scale is a water evaporates. If scale is noticed increase bleed off rate.

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During system operation look for signs of scale formation. Scale is a water evaporates. If scale is noticed increase bleed off rate.
Bleed-off water from the system

Why bleed off water? As water is recycled through your system the impurities become more concentrated in the water that has not evaporated. The chemicals, minerals and other impurities that are not evaporated remain in the system. When water evaporates it leaves behind impurities. These impurities can accumulate and become more concentrated. When water evaporates it leaves behind impurities. 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 water quality.

Cleaning the system

1. Shut off the pump and clean the strainer. To clean the strainer:
   a. Close ball valve at end of header. Turn off pump.
   b. Close ball valve between strainer and reservoir. Open ball valve from header line.
   c. Open bleed-off valve.
   d. Dump water. (c) Close bleed-off valve and reservoir. Remove filter cover. (d) Unscrew filter and dump out water. (b) Place clean or dirty filter. (c) Close ball valve between strainer and reservoir. (d) Reopen bleed-off valve.
   e. Close bleed-off valve. Close ball valve at end of header. Turn on pump.

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 in-line filter and reservoir. Dump water from filter.
5. After flushing filter, turn off pump.
6. Remove filter cover and clean filter. Pressurize system. (a) Open ball valve at end of header. (b) Turn on pump.
7. Resume normal operation.
8. If bleed-off rate is still too high, add more water to reservoir. Refill reservoir to full level. (a) Close ball valve between pump and 1" diameter exhaust. (b) Open 1" diameter exhaust valve. (c) Turn on pump. (d) Additional water added to reservoir by fill line as system flushes.
9. After flushing reservoir:
   a. Turn off pump.
   b. Open ball valve between exhaust and union fitting.
   c. Close exhaust valve.
10. Flush header:
    a. Open ball valve at end of header.
    b. Turn on pump. (c) Flush for several minutes.
11. Disconnect union at end of header.
12. Insert brush into header. Brush out debris from header line.
13. Reconnect union.
14. After flushing header:
    a. Turn off pump.
    b. Close ball valve at end of header.
15. Refill reservoir to full level.
16. Resume normal operation.

NOTE: expect about 70 gallons of standing water per 50 feet of reservoir. Open ball valve between strainer and reservoir. Dump water from filter. Clean filter. Pressurize system. (c) Close bleed-off valve and reservoir. Remove filter cover. (d) Unscrew filter and dump out water. (b) Place clean or dirty filter. (c) Close ball valve between strainer and reservoir. (d) Reopen bleed-off valve.

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 high mineralization levels, then the bleed-off rate should be equal to evaporation. In areas with high mineralization levels, then the bleed-off rate should be equal to evaporation. In areas with high mineralization levels, then the bleed-off rate should be equal to evaporation.
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Float Valve and Pump Assembly ------------------------------------------------ 17
Float Valve configurations ---------------------------------------------------- 18
Square Float and Valve Assembly ----------------------------------------------- 19

STRAIGHT END FEED SYSTEM
10' TO 70'

SEE SHEET 85 FOR POLY TANK OPTION

sh-7
FRAMING ELEVATION AND SECTION

USE PRESSURE TREATED LUMBER

TOP STRINGER 2X10 RECOMMENDED 2X8 MIN.

CLEAR ROUGH OPENING = LENGTH OF CELL

BOTTOM STRINGER 2X10

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

BOTTOM AND TOP STRINGER TO BE INSTALLED LEVEL.

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

<table>
<thead>
<tr>
<th>PAD HEIGHT</th>
<th>OVERALL WALL HEIGHT</th>
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<tbody>
<tr>
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<td>in FEET &amp; IN</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>4'-4&quot;</td>
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<td>4'-0&quot;</td>
<td>5'-4&quot;</td>
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<td>6'-4&quot;</td>
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<tr>
<td>6'-0&quot;</td>
<td>7'-4&quot;</td>
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ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

<table>
<thead>
<tr>
<th>PAD HEIGHT</th>
<th>CLEAR BETWEEN 2X10</th>
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<tbody>
<tr>
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<td>in FEET &amp; IN</td>
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<td>3'-0&quot;</td>
<td>2'-9&quot;</td>
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<td>4'-9&quot;</td>
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<td>6'-0&quot;</td>
<td>5'-9&quot;</td>
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sh–8
GLUE 8" TROUGH FOR END FEED SYSTEM

DO NOT DISTURB GLUED PIPE UNTIL GLUE HAS CURED.

A MINIMUM OF 2’ EXTRA 8” PIPE PROVIDED

LENGTH OF CELL PLUS 2’

±2’ CUT FROM OTHER END

WATER DRAINS

PRE MARKED LINES MUST BE LINED UP

SUMP END

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
INSTALL BACK PAD SUPPORT

CHALK LINE TOP OF BACK PAD SUPPORT
BACK PAD SUPPORT ARE PRE PUNCHED AT ± 5' CENTERS
BACK PAD SUPPORT IN LINE WITH 2X4
MARK TOP OF BACK PAD SUPPORT
SEE TABLE "C" BELOW
TOP BOTTOM BRACKET
4 1/2"
BACK PAD SUPPORT BUTT TOGETHER
2X4 EDGE ROUGH OPENING
BACK PAD SUPPORT
CHALK LINE
TOP BOTTOM STRINGER
BOTTOM BRACKETS AT CENTER OF POST

CHALK LINES MUST BE LEVEL. VERIFY WITH OPTICAL LEVEL

<table>
<thead>
<tr>
<th>TABLE &quot;C&quot;</th>
<th>DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT</th>
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<tbody>
<tr>
<td>PAD HEIGHT</td>
<td>IN FT. &amp; IN.</td>
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<tr>
<td>3'-0&quot;</td>
<td>3'-4 1/2&quot;</td>
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<td>4'-4 1/2&quot;</td>
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<td>5'-0&quot;</td>
<td>5'-4 1/2&quot;</td>
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<td>6'-0&quot;</td>
<td>6'-4 1/2&quot;</td>
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130 Dickerson Road - Franklin Ga. 30217
INSTALL TOP BRACKETS

2 EA. #14 X 1 1/2" WOOD SCREWS

#10 X 1" WD. SCREW IN PUNCHED HOLES

END VIEW

DEFLECTOR SPUCE (ONLY AT JOINTS)
FASTEN WITH 1/4" # X 3/4"
NUT AND BOLT WITH
1 1/4" WASHER ON TOP.

INSTALL DEFLECTOR

REEVES SUPPLY CO., INC.  1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217
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 OF 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

ROUGH OPENING

CENTER 1/2" DIA. DRILLED HOLE TYPICAL

SIDE CUT

CUTS ARE TANGENT TO DRILLED HOLE

END CUT

TYPICAL DRILL DETAIL
DO NOT USE SPADE BIT

SUMP END
12" MIN

PAD LENGTH PLUS 1/2"
MIN 7"

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
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.

ROUGH OPENING BETWEEN 2X4S

FLAT HEAD

CENTER OF SYSTEM
EACH SIDE THE SAME

SECTION A

BACK OF END PANEL
IN LINE WITH 2X4
2X4 END OF ROUGH OPENING
END PANEL BRACKET
DRIP PAN

TOP VIEW

END PANEL BRACKET
BOTTOM STRINGER
DRIP PAN FASTENER
#10 X 1" WD SCREW
IN PRE PUNCHED HOLES
2 EA.
#8 3/4" TEK SCREW

BACK END PANEL
EDGE 2X4

#8 X 3/4" TEK THRU END PANEL BRACKET

INSTALL END PANELS BRACKETS

INSTALL END PANELS
BOTH ENDS

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sh-13
**Step 1**

**Side View**

- Back Pad Support
- Top Bracket
- Defender Pipe Detail

Approximately 45° from vertical

Rotate Header Sprayer Holes

**Step 2**

1. Using Ball Valve with a Flow of 7 gpm or greater

2. Secure the Header Spans Full Length of Top

3. When Assembling Header, Make Sure Holes are Lined up

4. Do Not glue Header Pipe

**Step 3**

1. Glue Joints

2. Glue

3. 1/2" Ball Valve

4. IN Line W/Sprayer Holes

5. WHEN ASSEMBLING PIPE

6. Capped Handle

7. UNION OUTLINE

8. Glue

9. IN Flow Pump

10. 6" Capped Handle

11. Header Pipe Detail

12. END FEED SYSTEM

13. 1-888-854-5221 FAX 770 854 5540

Reeves Supply Co., INC.

130 Dickerson Road - Franklin Georgia 30217
NOTE: ON ALUMINUM SYSTEM PEEL OFF PVC COATING.

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

THIS SHOULD PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

IF THE NEXT-TO-LAST PAD SHOULD BE SUD BESIDE THE END PANEL LIP, PREVIOUSLY INSTALLED PADS, CONTINUE UNTESTED THE NEXT TO INSTALL Remainer OF PADS TIGHTLY AGAINST THE END PANEL LIP. INSTALL THE FIRST PAD BEHIND LIP AGAINST THE END PANEL.

MAKE SURE PADS ARE PLACED CORRECTLY.

ARROWS TO SHOW CORRECT ORIENTATION OF PADS.

NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH.

INSTALL FRONT PADS SUPPORT.
**HEADER PIPING ASSEMBLY**

SIMILAR EACH END OF SYSTEM

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

---

**10" DIAMETER SUMP ASSEMBLY**

**15" DIAMETER SUMP ASSEMBLY**

**12" DIAMETER SUMP ASSEMBLY**

---

Reeves Supply Co. 1-888 854 5221

130 Dickerson Road   Franklin Georgia 30217

sh-16
COMBINED ASSEMBLY

PUMP ASSAMBLEY

FLOAT KIT

- 2-1/4" Eyebolts pre
- 4 - Nylon Wing Nuts
- 2 - U Bolts
- 2 - 3/4" PVC Adapter Hose
- 2 - 90° Elbows SX5
- 1-6" dia. Black Plastic Float Ball
- 1-3/4" Float Valve

Each float kit includes
2 (TWO) KITS PROVIDED

ENLARGED ASSEMBLY

FLOAT VALVE ASSEMBLY

See next sheet for
Wing Nut to
Orient Value
Note
Adjust Arm Angle
Inlet Pipe

Correct

8" dia. Float
Square Float
See SH-15 for

Outline

Top Cap

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FLOAT VALVE
ASSEMBLY CONFIGURATION

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

CENTER VALVE

INLET PIPE

NOTE VALVE
ORIENTATION

MINIMIZE

FLOAT VALVE ASSEMBLY
BEFORE ROTATING

ROTATE INLET PIPE TO THIS
CONFIGURATION

TOP CAP VIEW

±70°

TOP VIEWS

CENTER VALVE

INLET PIPE

NOTE VALVE
ORIENTATION

CENTER HEAD
HEADER CENTER
SUMP

FLOAT TO CLEAR
SUMP WALL

BACK OF VALVE
AGAINST WALL

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

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road Franklin Georgia 30217

sh-18
SQUARE FLOAT & VALVE ASSEMBLY for 12" & 15" TEES only

INLET PIPE

NOTE VALVE ORIENTATION

CORRECT VALVE ORIENTATION

ROTATE VALVE AROUND THIS CENTER TO MAKE ASSEMBLY MORE COMPACT

ENLARGED ASSEMBLY

BACK OF VALVE AGAINST WALL

INLET PIPE

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

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CENTER FEED SPLIT PAD

UP TO 80'

SEE sh-89 for POLY TANK OPTION

sh-20
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

± 1'-8"
REF.
MIN. 8"
ROUGH OPENING

FLOW DIRECTION
FLOW DIRECTION

±2' CUT FROM OTHER END
FLOW DIRECTION

PRE MARKED LINES
MUST BE LINED UP

ONE SIDE OF TROUGH
OTHER SIDE MIRROR THIS SIDE

EXCAVATE FOR SUMP
TO FACILITATE FABRICATION OF THE TROUGH
THE SUMP SHOULD BE LOOSELY PLACED IN POSITION.

CENTERED BETWEEN ROUGH OPENINGS

BOTTOM HANGER

SUMP IN CENTER
SEE sh-89
for poly tank option

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217

sh-22
INSTALL BACK PAD SUPPORT

CHALK LINE TOP OF BACK PAD SUPPORT

BACK PAD SUPPORT ARE PRE PUNCHED AT ± 5 CENTERs

BACK PAD SUPPORT IN LINE WITH 2X4

MARK TOP OF BACK PAD SUPPORT

BACK PAD SUPPORTS BUTT TOGETHER

2X4 EDGE ROUGH OPENING

TOP BOTTOM STRINGER

CHALK LINE

4 1/2"

TOP BOTTOM BRACKET

BOTTOM BRACKETS AT CENTER OF POST

CHALK LINES MUST BE LEVEL. VERIFY WITH OPTICAL LEVEL

<table>
<thead>
<tr>
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Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217
INSTALL TOP BRACKETS

2 EA. #14 x 1 1/2” WOOD SCREWS
#10 X 1” WD. SCREW IN PUNCHED HOLES

DEFLECTOR SPlice (ONLY AT JOINTS)
FASTEN WITH 1/4”Ø X 3/4” NUT AND BOLT WITH 1 1/4”Ø WASHER ON TOP.

INSTALL DEFLECTOR

Deflector

Back Pad Support
Top Back Pad Support
Bottom Top Bracket

5'-0'
10'-0'
5'-0'

Side of Top Bracket and End Back Pad Support In Line With 2X4

Interior Top Brackets Are Centered Over Back Pad Support Fasteners

End View
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 CUT 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

SUGGEST MIN. 3 1/2” EMBED.

Reeves Supply Co.  1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
PLACE DRIP PAN IN TROUGH

THROUGHLY 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.

ROUGH OPENING BETWEEN 2X4S

SECTION A

BACK OF END PANEL
IN LINE WITH 2X4
2X4 END OF ROUGH OPENING
END PANEL BRACKET
DRIP PAN
END PANEL BRACKET
BOTTOM STRINGER
DRIP PAN FASTENER
#10 X 1" WD SCREW
IN PRE PUNCHED HOLES
2 EA.
#8 3/4" TEK SCREW

TOP VIEW

BACK PAD SUPPORT
DEFLECTOR SHIELD
FRONT PAD SUPPORT
END PANEL CLIP

#10 X 1" WD. SCREWS
BACK END PANEL
EDGE 2X4
#8 X 3/4" TEK THRU END PANEL BRACKET

INSTALL END PANELS BRACKETS

INSTALL END PANELS
BOTH ENDS

Reeves Supply Co., INC. 1-888-854 5221
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sh-26
NOTE: ON ALUMINUM SYSTEM PEEL OFF PVC COATING.

NOTE: TO INSTALL THE LAST PAD, PROVIDE SUFFICIENT CLEARANCE TO INSTALL THE LAST PAD.

NOTE: SIDES OF PADS ARE COLORED AND MARKED WITH ARROWS TO IDENTIFY ORIENTATION OF PADS.

NOTE: MAKE SURE PADS ARE PLACED CORRECTLY.
FLOAT VALVE
ASSEMBLY CONFIGURATION

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

CENTER VALVE
INLET PIPE
NOTE VALVE ORIENTATION

FLOAT TO CLEAR
SUMP WALL
"U" BOLTS

FLOAT VALVE ASSEMBLY
BEFORE ROTATING
6" DIAM. FLOAT
FOR SQUARE FLOAT
SEE SH-14

FLOAT VALVE AGAINST
SUMP WALL

TOP SUMP VIEWS

±70°

CENTER VALVE
ROTATE INLET PIPE TO THIS
CONFIGURATION

TOP VIEWS

CENTER VALVE
INLET PIPE
NOTE VALVE ORIENTATION

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

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TYPICAL FRAMING DETAILS

USE PRESSURE TREATED LUMBER

5' TYPICAL SPACING
FOR 4X4 POST

TOP STRINGER 2X10 RECOMMENDED 2X8 MIN.

CLEAR ROUGH OPENING = LENGTH OF CELL

BOTTOM STRINGER 2X10

BOTTOM AND TOP STRINGER TO BE INSTALLED LEVEL.

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

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

<table>
<thead>
<tr>
<th>PAD HEIGHT (in FEET &amp; IN)</th>
<th>OVERALL WALL HEIGHT (in INCHES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
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<tr>
<td>4'-0&quot;</td>
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<td>6'-4&quot;</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>7'-4&quot;</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>PAD HEIGHT (in FEET &amp; IN)</th>
<th>CLEAR BETWEEN 2X10 (in INCHES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3'-0&quot;</td>
<td>2'-9&quot;</td>
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<td>4'-0&quot;</td>
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<td>4'-9&quot;</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>5'-9&quot;</td>
</tr>
</tbody>
</table>

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217

sh-32
GLUE 8" PIPE TROUGH
CENTER-FEED CONTINUOUS PAD SYSTEM

A MINIMUM OF 2' EXTRA 8" PIPE PROVIDED

±2' CUT FROM OTHER END
FLOW DIRECTION

PRE MARKED LINES
MUST BE LINED UP
EACH SIDE OF TEE

8"TEE NEAR CENTER
FLOW DIRECTION
FLOW DIRECTION

ASSEMBLED AND GLUED PIPE
DO NOT DISTURB GLUED PIPE
UNTIL GlUE HAS CURED.

±2' CUT FROM OTHER END
FLOW DIRECTION

PRE MARKED LINES
MUST BE LINED UP

PRE MARKED LINES

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.

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
INSTALL BACK PAD SUPPORT

CHALK LINE TOP OF BACK PAD SUPPORT

BACK PAD SUPPORT ARE PRE PUNCHED AT ± 5" CENTERS

BACK PAD SUPPORT IN LINE WITH 2X4

MARK TOP OF BACK PAD SUPPORT

BACK PAD SUPPORTS BUTT TOGETHER

2X4 EDGE ROUGH OPENING

CHALK LINE

TOP BOTTOM STRINGER

BOTTOM BRACKETS AT CENTER OF POST

4 1/2"

CHALK LINES MUST BE LEVEL. VERIFY WITH OPTICAL LEVEL

---

TABLE "C"

<table>
<thead>
<tr>
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<th>DIMENSION BETWEEN TOP BOTTOM BRACKET AND TOP BACK PAD SUPPORT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>IN FT. &amp; IN.</td>
</tr>
<tr>
<td>3'-0&quot;</td>
<td>3'-4 1/2&quot;</td>
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<tr>
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</tr>
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<td>5'-0&quot;</td>
<td>5'-4 1/2&quot;</td>
</tr>
<tr>
<td>6'-0&quot;</td>
<td>6'-4 1/2&quot;</td>
</tr>
</tbody>
</table>

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Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-34
SIDE OF TOP BRACKET AND END BACK PAD SUPPORT IN LINE WITH 2X4

INTERIOR TOP BRACKETS ARE CENTERED OVER BACK PAD SUPPORT FASTENERS

INSTALL TOP BRACKETS

TOP BACK PAD SUPPORT BOTTOM TOP BRACKET

BACK PAD SUPPORT

2X4

INSTALL DEFLECTOR

DEFLECTOR SPlice (ONLY AT JOINTS) FASTEN WITH 1/4" X 3/4" NUT AND BOLT WITH 1 1/4" WASHER ON TOP.

DEFLECTOR

TOP BACK PAD SUPPORT BOTTOM TOP BRACKET

BACK PAD SUPPORT

DEFLECTOR SPlICE (ONLY AT JOINTS) FASTEN WITH 1/4" X 3/4" NUT AND BOLT WITH 1 1/4" WASHER ON TOP.

DEFLECTOR

REEVES SUPPLY CO., INC. 1-888-854 5221
130 DICkERSON ROAD - FRANKLIN GA. 30217

SH-35
Place drip pan in trough

Resulting in kick back and possibly splitting the pipe

Securing down into the pipe thus preventing the saw blade from falling down into the pipe.

The saw blade is in general the goal is to prevent the saw blade from falling into the pipe to avoid splitting the pipe. See ideal detail.

Trough cutting details

1/2" or drill hole

Do not over cut

End cut with proper saw

Suggested cutting last

Pre marked lines

Side cut with proper saw

Bottom stronger

Screw driver

Wood block

Pre marked lines

Pick up pipe

Section A

And pick up line is ok.

After pick up pipe and pan have been installed a slight downward slope of te.

Pipe section at the before drip pan

Trough fabrication details

Section A
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.

AVOID OVER CUTS AT CORNERS
DRILL HOLES AT CORNERS TYPICAL

CENTER 1/2" DIA.
DRILLED HOLE TYPICAL

SIDE CUT
CUTS ARE TANGENT TO DRILLED HOLE
SUGGEST USING JIG SAW FOR LAST INCH AT CORNERS

TYPICAL DRILL DETAIL
DO NOT USE SPADE BIT

Reeves Supply Co.  1-888 854 5221
130 Dickerson Road  Franklin Georgia 30217

sh-37
INSTALL END PANELS BRACKETS

INSTALL END PANELS
BOTH ENDS
NOTE: On aluminum system peel off pvc coating.

The front panel can be installed as pads are placed or after all pads have been installed.

This should provide sufficient clearance to install the last pad. Pad the next to last pad should be slid behind far end panel lip.

Previously installed pad, continue unit the next to install remainder of pads, tightly against the nest the first pad behind lip against the end panel.

Make sure pads are placed correctly.

Arrows to show correct orientation of pads.

Note: sides of pads are colored and marked with

Install front pad support.
FLOAT VALVE ASSEMBLY CONFIGURATION

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

INLET PIPE

NOTE VALVE ORIENTATION

CENTER VALVE

6" DIA. FLOAT

FOR SQUARE FLOAT SEE SH-43

FLOAT TO CLEAR SUMP WALL

TOP CAP VIEW

CENTER HEADER CENTER SUMP

BACK OF VALVE AGAINST WALL

FLOAT VALVE ASSEMBLY BEFORE ROTATING

±70°

CENTER VALVE

ROTATE INLET PIPE TO THIS CONFIGURATION

CENTER VALVE

INLET PIPE

NOTE VALVE ORIENTATION

SUMPF WALL

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

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road Franklin Georgia 30217

sh-42
SQUARE FLOAT & VALVE ASSEMBLY

INLET PIPE

NOTE VALVE ORIENTATION

CORRECT

VALVE ORIENTATION

ROTATE VALVE AROUND THIS CENTER TO MAKE ASSEMBLY MORE COMPACT

ENLARGED ASSEMBLY

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

PLAN VIEW ORIENTATION

12” DIA. OR LARGER SUMP
BACK OF VALVE AGAINST WALL

Reeves Supply Co., INC.
130 Dickerson Road—Franklin Georgia 30217
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

ALL WOOD TO BE PRESSURE TREATED

± 18" EXTENSION

2X4 RECOMMENDED 2X8 MIN. TOP STRINGER

2X4 BETWEEN TOP AND BOTTOM STRINGERS

PAD LG. + PAD LG. + 24" = ROUGH OPENING

ROUGH OPENING LENGTH

BOTTOM STRINGER 2X10

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

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

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<tbody>
<tr>
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<tr>
<td>3' - 0&quot;</td>
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<td>5' - 0&quot;</td>
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<td>6' - 0&quot;</td>
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ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

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<td>3' - 0&quot;</td>
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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

COMBINED PAD LENGTHS + 2' AT SPLIT + MIN. 2' EACH END

±5' CUT FROM OTHER END

PRE MARKED LINES MUST BE LINED UP
INSTALL BACK PAD SUPPORT

CHALK LINE TOP OF BACK PAD SUPPORT
BACK PAD SUPPORT ARE PRE PUNCHED AT ± 5' CENTERS
BACK PAD SUPPORT IN LINE WITH 2X4

BACK PAD SUPPORTS BUTT TOGETHER
2X4 EDGE ROUGH OPENING
CHALK LINE

MARK TOP OF BACK PAD SUPPORT

SEE TABLE "C" BELOW

4 1/2"

TOP BOTTOM STRINGER

BOTTOM BRACKETS AT CENTER OF POST

CHALK LINES MUST BE LEVEL, VERIFY WITH OPTICAL LEVEL

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<tbody>
<tr>
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<td>3'-4 1/2&quot; 40.5&quot;</td>
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<tr>
<td>4'-0&quot;</td>
<td>4'-4 1/2&quot; 52.5&quot;</td>
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<td>5'-0&quot;</td>
<td>5'-4 1/2&quot; 64.5&quot;</td>
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<tr>
<td>6'-0&quot;</td>
<td>6'-4 1/2&quot; 76.5&quot;</td>
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Reeves Supply Co., INC.  1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-47
INSTALL TOP BRACKETS

2 EA. #14 X 1 1/2" WOOD SCREWS

#10 X 1" WD. SCREW IN PUNCHED HOLES

DEFLECTOR SPLICE (ONLY AT JOINTS)
FASTEN WITH 1/4" X 3/4" NUT AND BOLT WITH 1 1/4" WASHER ON TOP.

INSTALL DEFLECTOR
TROUGH FABRICATION
FOR DOUBLE END FEED SPLIT PAD SYSTEM

AFTER THE GLUE HAS DRIEDPLACE 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.

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

SAW CUT

24" CENTERS
OF 1/2" DIA.
DRILLED HOLES

PAD LENGTH PLUS 1/2" END CUTF TO END CUTF
12" MIN.

PAD LENGTH PLUS 1/2" END CUTF TO END CUTF
23 1/2"

CENTER 1/2" DIA.
DRILLED HOLE
TYPICAL

SIDE CUT

CUTS ARE
TANGENT TO
DRILLED HOLE

END CUT

1/4"

ROUGH OPENING

12" MIN.
2X4

TYPICAL DRILL DETAIL
DO NOT USE SPADE BIT

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
PLACE DRIP PAN IN TROUGH

ROUGH OPENING BETWEEN 2X4S

FLAT HEAD

CENTER OF SYSTEM EACH SIDE THE SAME

SECTION A

BACK OF END PANEL 2X4 END OF ROUGH OPENING
END PANEL BRACKET
DRIP PAN

TOP VIEW END PANEL BRACKET BOTTOM STRINGER
DRIP PAN FASTENER #10 X 1" WD SCREW IN PRE PUNCHED HOLES 2 EA. #8 3/4" TEK SCREW

BACK END PANEL EDGE 2X4
#8 X 3/4" TEK THRU END PANEL BRACKET

INSTALL END PANELS BRACKETS

INSTALL END PANELS BOTH ENDS

Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217
FEEDER HEADER PIPING ASSEMBLY
SIMILAR EACH END OF SYSTEM

SET FLOAT LEVEL
WATER LEVEL FOR NORMAL OPERATING CONDITIONS TO BE AT CENTER 8" PIPE
WING NUTS TO SET VALVE LEVEL (SEE FLOAT VALVE ASSEMBLY)

ROUND FLOAT W/EYE BOLTS IN 10" DIA. SUMP ONLY

10" DIAMETER SUMP ASSEMBLY  15" DIAMETER SUMP ASSEMBLY  12" DIAMETER SUMP ASSEMBLY

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

CENTERS 5/16" DIA. HOLES
1 3/8" X 1 7" PATTERN
FOR "U" BOLTS W/WING NUTS

GLUE ON END CAPS TYPICAL

Reeves Supply Co.  1–888 854 5221
130 Dickerson Road  Franklin Georgia  30217

sh–53
FLOAT VALVE ASSEMBLY CONFIGURATION

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

CENTER VALVE

INLET PIPE

NOTE VALVE ORIENTATION

MINIMIZE

FLOAT VALVE ASSEMBLY BEFORE ROTATING

6" IDA. FLOAT
FOR SQUARE FLOAT SEE SH-15

±70°

TOP CAP VIEW

±70°

CENTER VALVE

ROTATE INLET PIPE TO THIS CONFIGURATION

TOP VIEWS

FLOAT TO CLEAR SUMP WALL

CENTER HEADER CENTER SUMP

BACK OF VALVE AGAINST WALL

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

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road Franklin Georgia 30217

sh-55
SQUARE FLOAT & VALVE ASSEMBLY for 12" & 15" TEES only

NOTE VALVE ORIENTATION

ROTATE VALVE AROUND THIS CENTER TO MAKE ASSEMBLY MORE COMPACT

ENLARGED ASSEMBLY

BACK OF VALVE AGAINST WALL

INLET PIPE

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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FRAMING ELEVATION AND SECTION

USE PRESSURE TREATED LUMBER

5' TYPICAL SPACING FOR 4X4 POST

TOP STRINGER 2X10 RECOMMENDED 2X8 MIN.

BOTTOM STRINGER 2X10

CLEAR ROUGH OPENING = LENGTH OF CELL

MINIMUM WALL HEIGHT

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

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

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

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<tr>
<th>PAD HEIGHT</th>
<th>CLEAR BETWEEN 2X10</th>
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<tr>
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<td>5'-9&quot; 69&quot;</td>
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SECTION VIEW

130 Dickerson Road - Franklin Georgia 30217

Reeves Supply Co. 1-888 854 5221

sh-58
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

LENGTH = ROUGH OPENING + ±4' FEED/PUMP END + ±7" FAR END

±5' CUT FROM OTHER END

WATER FLOW

PRE MARKED LINES
MUST BE LINED UP

FLOAT VALVE GOES
ON THIS END

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217

sh-59
INSTALL BACK PAD SUPPORT

CHALK LINE TOP OF BACK PAD SUPPORT

BACK PAD SUPPORT ARE PRE PUNCHED AT ± 5' CENTERS

BACK PAD SUPPORT IN LINE WITH 2X4

MARK TOP OF BACK PAD SUPPORT

BACK PAD SUPPORTS BUTT TOGETHER

2X4 EDGE ROUGH OPENING

TOP BOTTOM STRINGER

BOTTOM BRACKETS AT CENTER OF POST

CHALK LINES MUST BE LEVEL, VERIFY WITH OPTICAL LEVEL

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<td><strong>PAD HEIGHT</strong></td>
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Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-60
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.

BOTTOM BRACKETS AT CENTER OF POST

BOTTOM BRACKETS FOR
PUMP SUPPORT ASSEMBLY
HAVE HOLES IN FRONT FLANGE

Reeves Supply Co., INC.  1-888-854 5221
130 Dickerson Road  -  Franklin Ga. 30217
INSTALL TOP BRACKETS

2 EA. #14 X 1 1/2" WOOD SCREWS
#10 X 1" WD. SCREW IN PUNCHED HOLES

END VIEW

DEFLECTOR SPICE (ONLY AT JOINTS)
FASTEN WITH 1/4" X 3/4" NUT AND BOLT WITH
1 1/4" WASHER ON TOP.

INSTALL DEFLECTOR

SIDE OF TOP BRACKET AND END BACK PAD SUPPORT IN LINE WITH 2X4

INTERIOR TOP BRACKETS ARE CENTERED OVER BACK PAD SUPPORT FASTENERS

TOP BACK PAD SUPPORT BOTTOM TOP BRACKET

BACK PAD SUPPORT

5'-0'
typical

10'-0'  5'-0'

2X4

DEFLECTOR TOP BRACKET
BACK PAD SUPPORT

TOP BRACKET AND BACK PAD SUPPORT IN LINE WITH 2X4

END DEFLECTOR IS AT SIDE OF TOP BRACKET

TOP BACK PAD SUPPORT BOTTOM TOP BRACKET

BACK PAD SUPPORT

Reeves Supply Co., INC.  1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-62
PLACED:

Verify pump support brackets are in place.

FLOAT COVER:

ROUGH OPENING BETWEEN 2X4S:

SECTION A:

ROTATION OF THE PAN HEATS SEE SECTION "A" BELOW:
Pre and pan just ahead of the seat. Area works well. Short pipe and pan. Typically a flat head screwdriver wedged between the drip pan. The opening will most likely require pivoting open to "walk in."
Due to the height of drip pan in the trough pipe. Thoroughly clean the trough before installing the drip pan.

PLACE Drip Pan in Trough:

ROUGH CUTTING TECHNIQUES:

Good Not Over Cut End Cut with Saw Scribe Cut and Scribe Cutting Last.

SIDE CUT:

Screw Driver
Bottom Strainer
Precut Marked Lines
End Cut
Plywood Blade
Saw Blade
2x4
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.

ROUGH OPENING = CENTERS 1/2" DIA HOLES
DRIP PAN CUT OUT

END CUT TO END CUT = ROUGH OPENING PLUS 1/2"

EDGE 2X4 IN LINE WITH CENTER 1/2" DIA.
DRILLED HOLE
TYPICAL

SIDE CUT
CUTS ARE TANGENT TO
DRILLED HOLE
SUGGEST USING JIG SAW
FOR LAST INCH AT CORNERS

SIDE CUT
DO NOT USE SPADE BIT

TYPICAL DRILL DETAIL
NOT TO SCALE

Reeves Supply Co.  1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
INSTALL END PANELS BRACKETS

BACK PANEL SUPPORT
DEFLECTOR SHIELD
FRONT PANEL SUPPORT
END PANEL CLIP

TOP END PANEL
TOP HORIZONTAL LEGS
TOP BRACKET

#10 X 1"
W/D. SCREWS

BACK END PANEL
EDGE 2X4

#8 X 3/4" TEK
THRU END PANEL BRACKET

INSTALL END PANELS
BOTH ENDS

Reeves Supply Co., INC.  1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217
INSTALL A COUPLING TO ACHIEVE 4 CLEARANCE. IT MAY BE NECESSARY TO CUT HEADER PIPE AND THIS PIPE COUPLING, OUTSIDE THE DETECTOR. POSITION HEADER PIPE TO PROVIDE MINIMUM 4" CLEARANCE BETWEEN HEADER SPRAY HOLES AND END OF DETECTOR.

STEP 3

HEADER PIPE DETAIL

HEADER PIPE

BACK PAD SUPPORT

HEADER PIPE

SIDE VIEW

APPROXIMATELY 45° FROM VERTICAL

ROTATE HEADER SPRAY HOLES

DETECTOR

HEADER PIPE HOLES
IN LINE/SPRAY HOLES

SCREW

HANDLE

FIRST HOLES

END DETECTOR

TO OUT ENDS, PLACE HANDLE W/ ABOUT 3" ON IN FLOW END

BRACKETS. JOIN BALL VALVE W/ ABOUT 1/2" OF PAINT.

SURE THE HEADER SPANS FULL LENGTH OF TOP MAKE SURE HOLES ARE LINED UP WHEN ASSEMBLING HEADER. MAKE SURE HOLES ARE LINED UP WHEN ASSEMBLING HEADER.

STEP 2

8 TEC SCREWS. 1 SCREW EACH SIDE OF COUPLING.

HEADER PIPE DETAIL

HEADER PIPE

SHOWING FOR REFERENCE ONLY

FRONT OF TOP BRACKET

INSTALL UNION IN FLOW SYSTEM

CLUE

HEADER PIPE

8 TEC

8 TEC

COMMENTS

THIS SIDE ONLY

HEADER PIPE

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FLOAT VALVE COVER ASSEMBLY

FLOAT VALVE ASSEMBLY

OUTLINE VALVE FLOAT ASSEMBLY

TO WATER SUPPLY

3/4" HOSE ADAPTER

CENTER HOSE

END CLOSURE

VALVE BASE PLATE

FASTEN TO END CLOSURE

WITH SELF DRILLING

TEK SCREWS EACH CORNER

SIDE VIEW

END CAP

ASSEMBLY

END PANEL

FLOAT

Valve Base Pl.

Rest on Center Tab

TOP VIEW

1/4" DIA. X 1/2" LG

BOLT W/ LOCKNUT

END VIEW

COMPRESSION WASHER

VALVE BASE PL.

FLANGE NUT

FLANGE NUT MUST

BE TIGHT AGAINST

VALVE BASE PLATE

TO PROPERLY SECURE

THE FLOAT VALVE

FLOAT VALVE ASSEMBLY

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road – Franklin Georgia 30217

sh-69
**NOTE:** The front panel can be installed as pads are placed or after all pads have been installed.

This should provide sufficient clearance to install the last pad. Pad the next-to-last pad should be slid behind far end panel lip. Last pad has been installed. In order to install the last previously installed pad, continue until the next to nest the first pad behind lip against the end panel.

Make sure pads are placed correctly. Arrows to show correct orientation of pads. Note: sides of pads are colored and marked with.

**INSTALL FRONT PAD SUPPORT**
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FRAMING ELEVATION AND SECTION

USE PRESSURE TREATED LUMBER

5' TYPICAL SPACING FOR 4X4 POST

TOP STRINGER 2X10 RECOMMENDED 2X8 MIN.

CLEAR ROUGH OPENING = LENGTH OF CELL

BOTTOM STRINGER 2X10

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

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

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<td>PAD HEIGHT</td>
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<td>in FEET &amp; IN</td>
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ROUGH OPENING HEIGHT
PAD HEIGHT - 3" = "B"

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Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
sh-72
GLUE 8" PIPE TROUGH FOR CENTER FEED
CENTRIFUGAL PUMP- CONTINUOUS PAD SYSTEM

A MINIMUM OF 2' EXTRA 8" PIPE PROVIDED

ASSEMBLED AND GLUED PIPE
DO NOT DISTURB GLUED PIPE UNTIL GLUE HAS CURED.

SECTION A

Reeves Supply Co.  1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
INSTALL BACK PAD SUPPORT

CHALK LINE TOP OF BACK PAD SUPPORT

BACK PAD SUPPORT ARE PUNCHED AT ± 5" CENTERS

BACK PAD SUPPORT IN LINE WITH 2X4

MARK TOP OF BACK PAD SUPPORT

BACK PAD SUPPORTS BUTT TOGETHER

2X4 EDGE ROUGH OPENING

CHALK LINE

TOP BOTTOM STRINGER

BOTTOM BRACKETS AT CENTER OF POST

CHALK LINES MUST BE LEVEL. VERIFY WITH OPTICAL LEVEL

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Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-74
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.

CENTER OF ROUGH OPENING CENTER OF TEE

MARK CENTER ROUGH OPENING ON BOTTOM STRINGER

BOTTOM BRACKETS AT CENTER OF POST

BOTTOM BRACKETS FOR PUMP SUPPORT ASSEMBLY HAVE HOLES IN FRONT FLANGE

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

Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-75
INSTALL TOP BRACKETS

2 EA. #14 X 1 1/2" WOOD SCREWS
#10 X 1" WD. SCREW IN PUNCHED HOLES

END VIEW

DEFLECTOR SPICE (ONLY AT JOINTS)
FASTEN WITH 1/4" X 3/4" NUT AND BOLT WITH 1 1/4" WASHER ON TOP.

INSTALL DEFLECTOR

Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road  Franklin Ga. 30217

sh-76
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 OUTF

ROUGH OPENING CENTERS 1/2" DIA HOLES
DRIP PAN CUT OUT

TROUGH DRAINS
TROUGH DRAINS

CENTER TEE
CENTER ROUGH OPENING

END CUT TO END CUT = ROUGH OPENING PLUS 1/2"

CENTER 1/2" DIA.
DRILLED HOLE

TYPICAL

SIDE CUT
CUTS ARE TANGENT TO DRILLED HOLE
SUGGEST USING JIG SAW FOR CUTTING LAST INCH AT CORNERS

1/4"

END CUT

TYPICAL DRILL DETAIL
DO NOT USE SPADE BIT

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217
INSTALL END PANELS BRACKETS

BACK OF END PANEL IN LINE WITH 2X4
2X4 END OF ROUGH OPENING
END PANEL BRACKET
DRIP PAN

TOP VIEW
END PANEL BRACKET
BOTTOM STRINGER
DRIP PAN FASTENER
#10 X 1" WD SCREW
IN PRE PUNCHED HOLES
2 EA
#8 3/4" TEK SCREW

END VIEW
BACK PAI SUPPORT
DEFLECTOR SHIELD
FRONT PAI SUPPORT
END PANEL CLIP

INSTALL END PANELS
TOP END PANEL
TOP HORIZONTAL LEG
TOP BRACKET
#10 X 1" WD SCREWS
BACK END PANEL
EDGE 2X4
#8 X 3/4" TEK THRU END PANEL BRACKET

Reeves Supply Co., INC. 1-888-854 5221
130 Dickerson Road - Franklin Ga. 30217

sh-79
TYPICALLY THE PUMP IS MOUNTED TO THE RIGHT OF THE CENTER TEE AS SHOWN BELOW. SHOULDER 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.

CENTER BOTTOM BRACKET
LAG BOLT HOLES

3" REFERENCE HOLE IN FACE SPECIAL BOTTOM BRACKETS

SIDE VIEW

TROUGH NOT SHOWN THIS VIEW

TOP VIEW

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road Franklin Georgia 30217
INSTALL FRONT PAD SUPPORT

NOTE: Sides of pads are colored and marked with arrows to show correct orientation of pads.

Arrow flow

UP ARROW

END PANEL

TOP BRACKETS (4 AT FIRST AND LAST W/ 1/4" WASHER WING NUT)

FIRST SPRAY HOLE

SECOND SPRAY HOLE

NOTE: Spacers at joints w/ wing nut.

END DETECTOR

TRANSFER TO FINAL PANEL

NOTE: Provide sufficient clearance to install the last pad.

Pad the next-to-last pad should be slid behind far end panel lip. Installs remainder of pads tightly against the next to last pad behind lip against the end panel.

MAKE SURE PAD ARE PLACED CORRECTLY.

INSTALL PADS
FLOAT VALVE COVER ASSEMBLY

FLOAT VALVE ASSEMBLY

Outline Valve Float Assembly

To Water Supply 3/4" Hose Adapter

End Closure

Valve Base Plate

Fasten to End Closure with Self Drilling Tek Screws Each Corner

Center Hose Adapter

End View

End Cap

End Closure Tabs

3 Each End

W/1/4" Bolt

Valve Base Plate

1/4" Dia. x 1/2" LG Bolts w/ Locknut

Flange Nut

Compressible Washer

Valve Base Pl.

Flange Nut

Flange Nut Must Be Tight Against Valve Base Plate To Properly Secure The Float Valve

Wing Nut To Adjust Float Level

Float Valve Straight Down

Hose Adapter

Reeves Supply Co. 1-888 854 5221
130 Dickerson Road - Franklin Georgia 30217

sh-83
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

TROUGH FOR SPLIT PAD OR END FEED

TEE FOR CONTINUOUS PAD

REEVES BLACK POLY TANK

sh-84
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**

sh-85
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" THINKNESS 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" ø 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.

OVERFLOW SPOUT

DRain Plug

9/32" HOLES

1 1/16" HOLE

USING THE MOUNTING PLATE AS TEMPLATE TO DRILL THE ABOVE HOLES

CUT SPOUT

1/4" X 3/4" BOLT

1/4" LOCK NUT

1 1/16" HOLE FOR FLOAT VALVE

SEE ( sh–88 )

MOUNTING PLATE

sh–87
FLOAT VALVE ASSEMBLY AND INSTALLATION

GARDEN HOSE CONNECTOR

TANK WALL

SEAL WASHER

WING NUT TO ADJUST FLOAT LEVEL

GARDEN HOSE CONNECTOR

OUTLINE PUMP W/SUPPLY HEADER
FOR REF. ONLY NOT TO SCALE

REEVES TANK

ASSEMBLED TANK