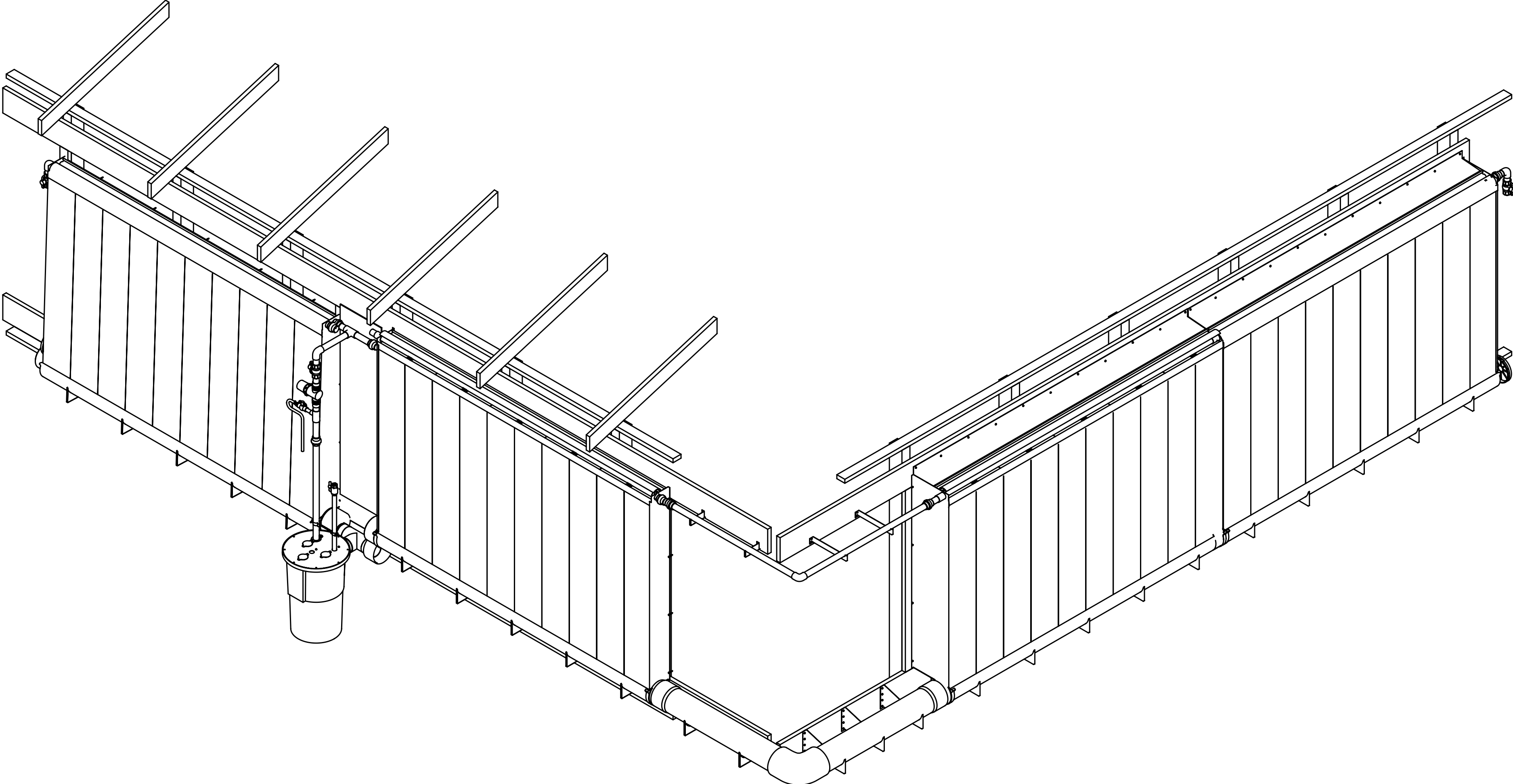


OASIS RECIRCULATING PAD SYSTEM WITH BASIN: QUICKSHEET

(READ THROUGH ENTIRE QUICK SHEET BEFORE BEGINNING TO INSTALL)



990283

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EXTENDED MOUNT BRACKET INSTALLATION.....SHEET 5

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SUMP, PUMP, FLOAT ASSY (CENTER FED)..... SHEET 8

HEADER KIT ASSEMBLY.....SHEET 9

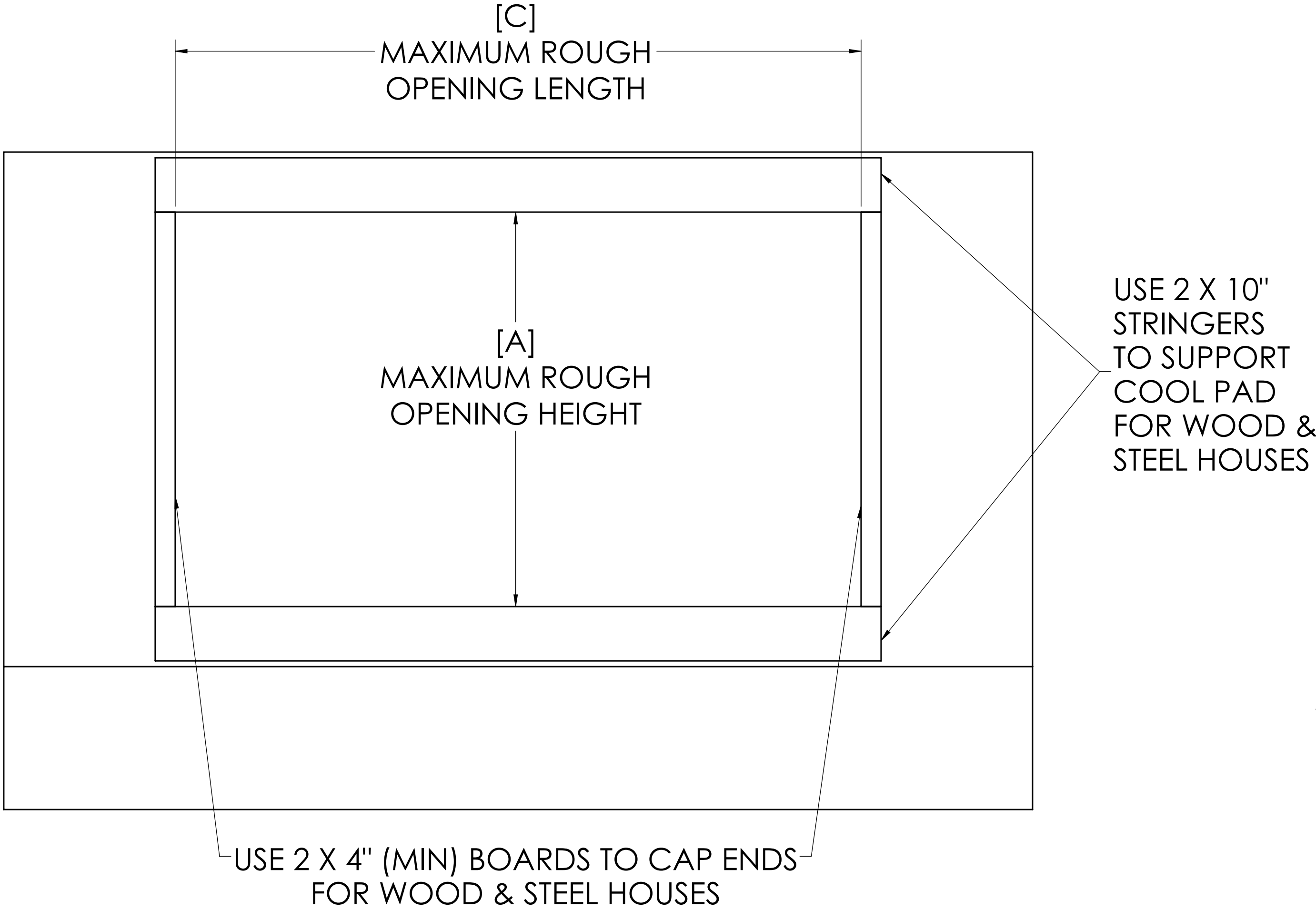
HEADER KIT INSTALLATION (END & CENTER FED)SHEET 10, 11

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PREVENTATIVE MAINTENANCE SHEET 13, 14

REPAIR PARTSSHEET 15 - 19

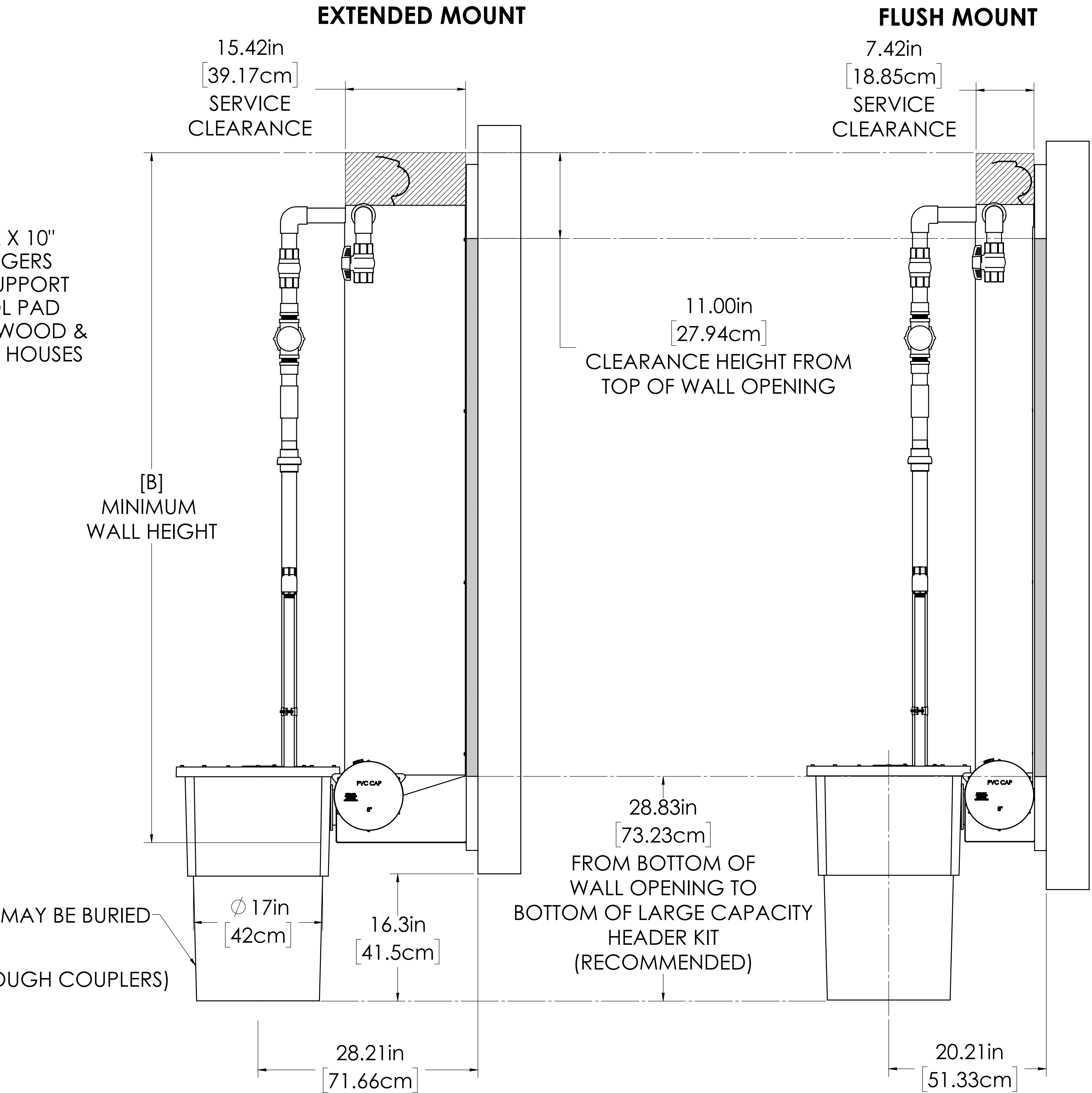
GENERAL FRAMING REQUIREMENTS



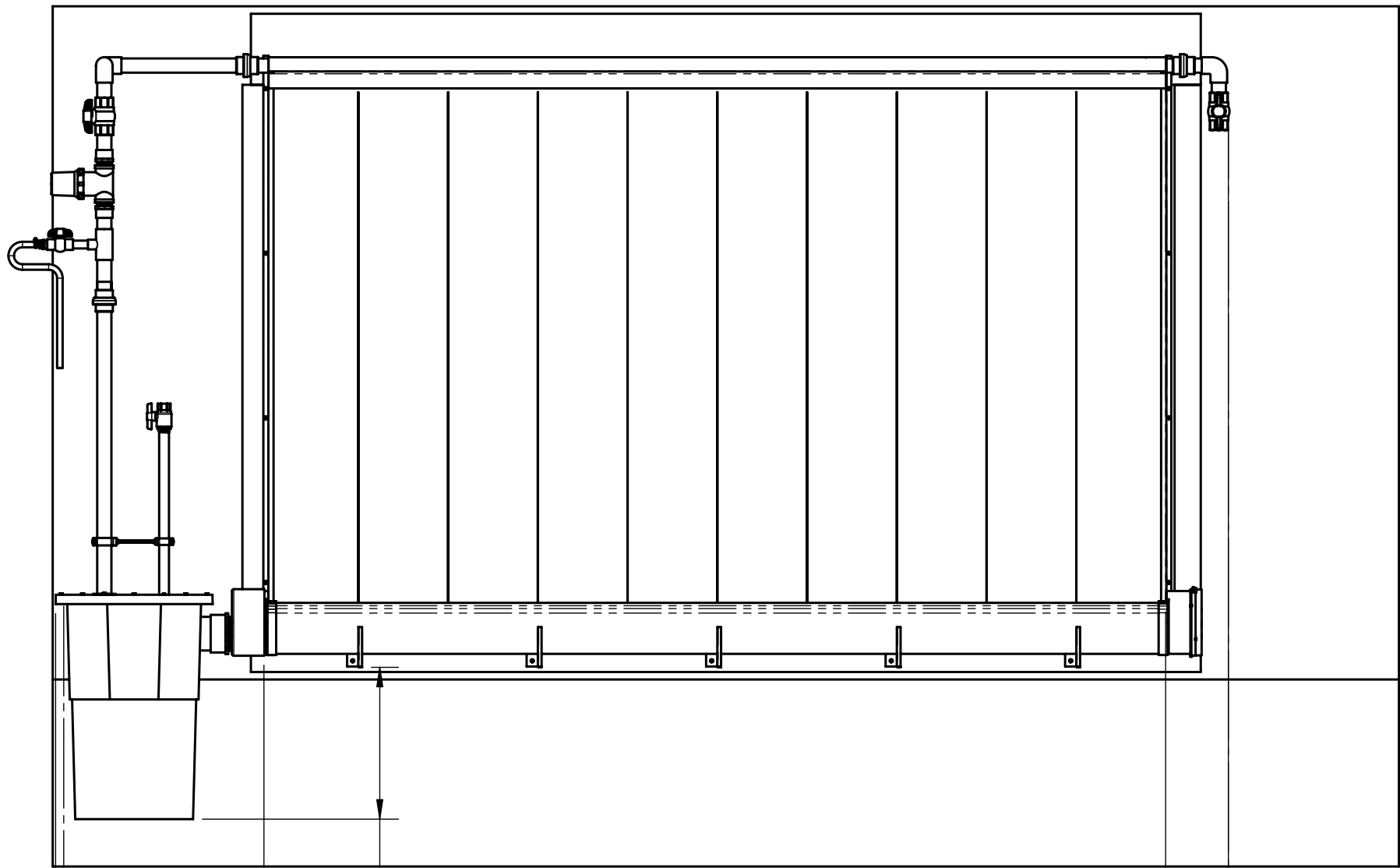
PAD HEIGHT	MAXIMUM ROUGH OPENING HEIGHT [A] (PAD HEIGHT - 3 IN)	MINIMUM WALL HEIGHT [B] (PAD HEIGHT + 18 IN)
36 IN [91.4 CM]	33 IN [83.8 CM]	54 IN [137.2 CM]
48 IN [121.9 CM]	45 IN [114.3 CM]	66 IN [167.6 CM]
60 IN [152.4 CM]	57 IN [144.8 CM]	78 IN [198.1 CM]
72 IN [182.9 CM]	69 IN [175.3 CM]	90 IN [228.6 CM]
78.7 IN [200.0 CM]	75.7 IN [192.3 CM]	96.7 IN [245.6 CM]

MAXIMUM ROUGH OPENING LENGTH [C] = SYSTEM LENGTH + (1/4 IN * NUMBER OF TROUGH COUPLERS)

SYSTEM LENGTH	MAXIMUM ROUGH OPENING LENGTH [C]
20 FT [6M 9.6 CM]	20 FT 1/4 IN [6M 10.2 CM]
40 FT [12M 19.2 CM]	40 FT 3/4 IN [12M 21.1 CM]
60 FT [18M 28.8 CM]	60 FT 1-1/4 IN [18M 32.0 CM]
80 FT [24M 38.4 CM]	80 FT 1-3/4 IN [24M 42.8 CM]



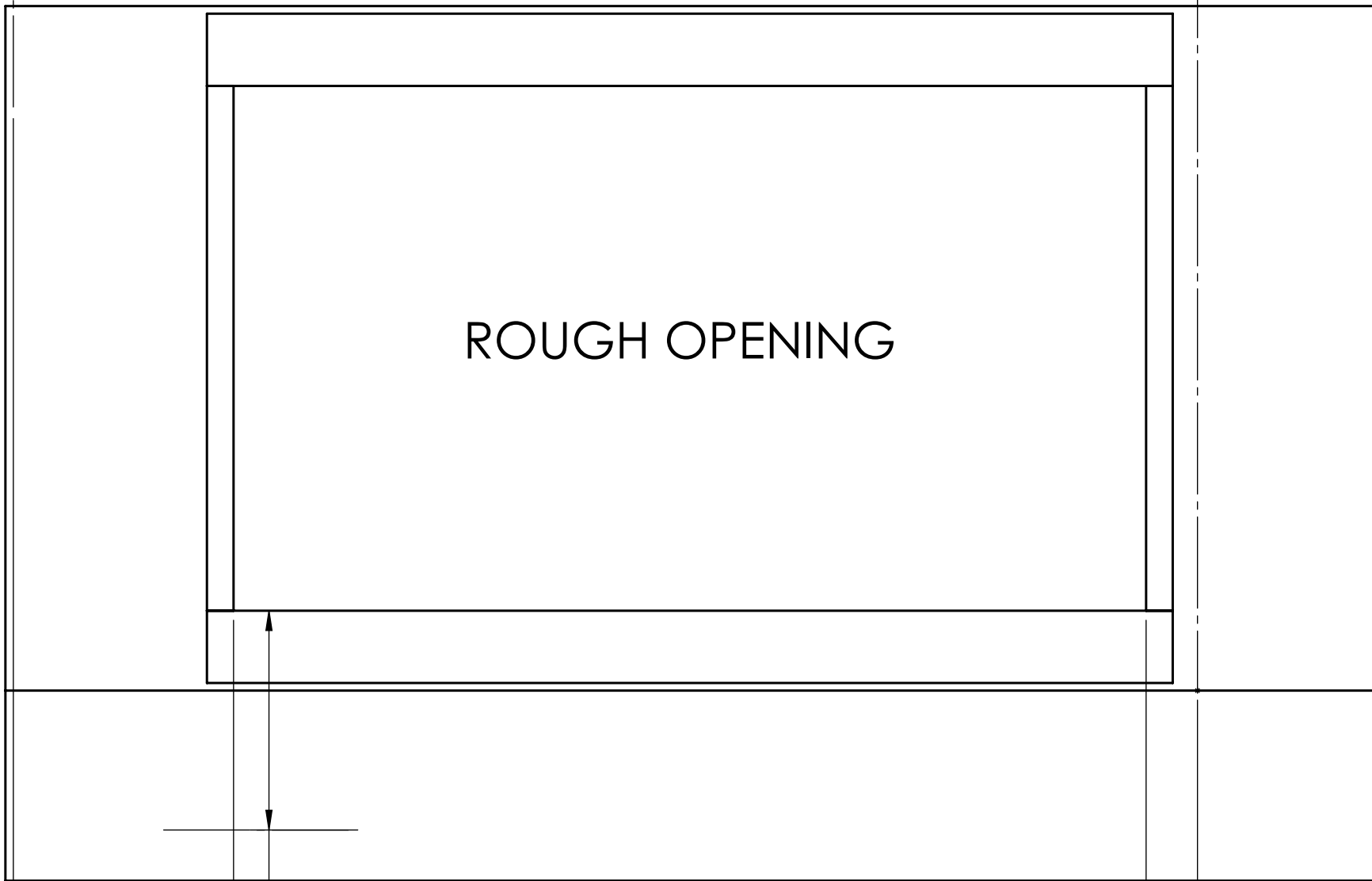
CLEARANCES & RELATIVE ROUGH OPENING PLACEMENT



27.85in
[70.75cm]
WIDTH OF END FED
HEADER KIT
(TYP)

20.3in
[51.5cm]
DISTANCE FROM BOTTOM
BRACKET TO BOTTOM OF
LARGE CAPACITY HEADER KIT
(RECOMMENDED)

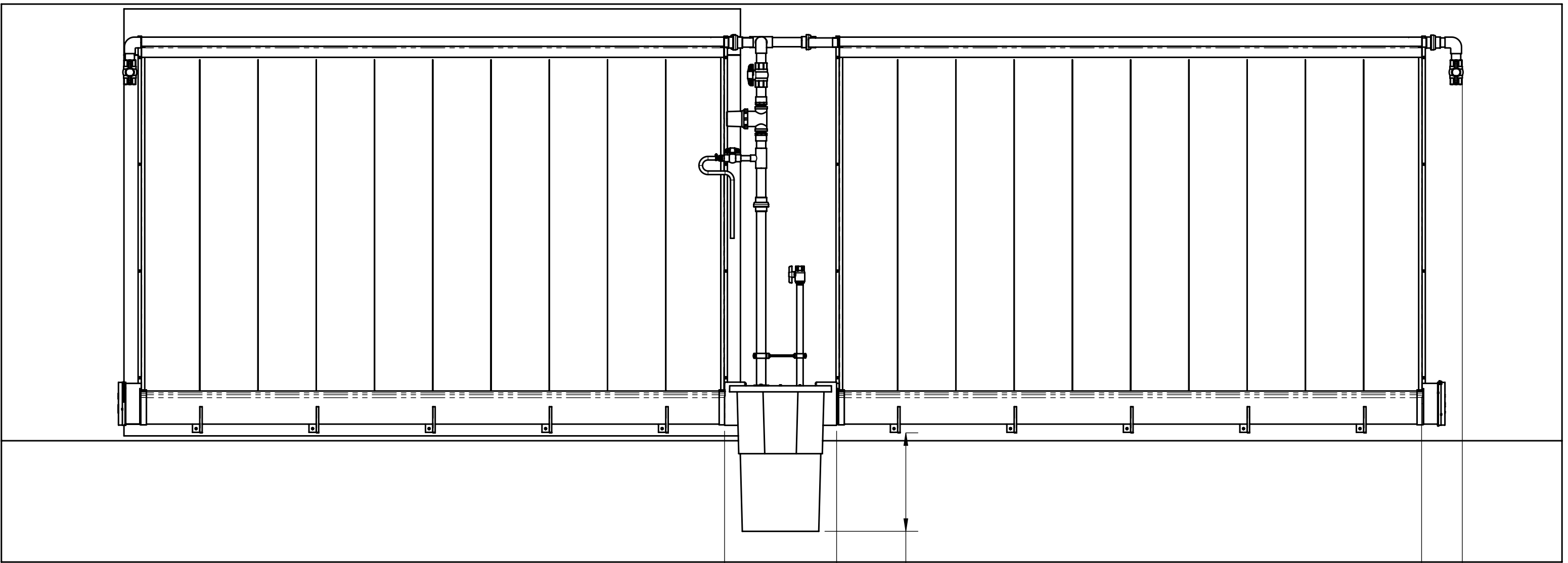
8.4in
[21.3cm]
CLEARANCE
PAST SYSTEM
LENGTH



29.0in
[73.6cm]
CLEARANCE PAST
ROUGH OPENING
FOR HEADER KIT
INSTALLATION

28.83in
[73.23cm]
DISTANCE FROM BOTTOM
OF R.O. TO BOTTOM
OF LARGE CAPACITY HEADER KIT
(RECOMMENDED)

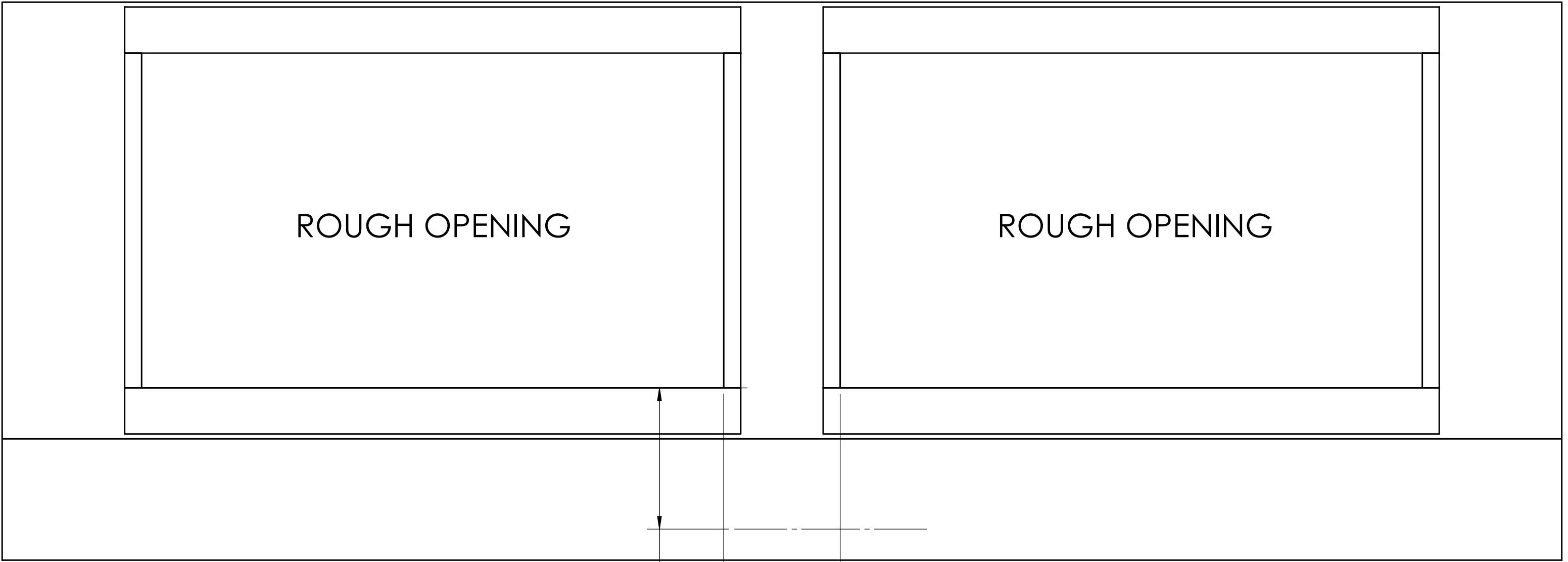
6.8in
[17.2cm]
CLEARANCE PAST
ROUGH OPENING



23.1in
[58.6cm]
WIDTH OF CENTER
FED HEADER KIT

20.3in
[51.6cm]
DISTANCE FROM BOTTOM
BRACKET TO BOTTOM OF
LARGE CAPACITY HEADER KIT
(RECOMMENDED)

8.4in
[21.3cm]
CLEARANCE
PAST SYSTEM
LENGTH



29.1in
[73.9cm]
DISTANCE FROM BOTTOM
OF R.O. TO BOTTOM
OF LARGE CAPACITY HEADER KIT
(RECOMMENDED)

24.0in
[61.0cm]
MINIMUM DISTANCE
BETWEEN CENTER FED
ROUGH OPENINGS

FLUSH MOUNT BRACKET INSTALLATION

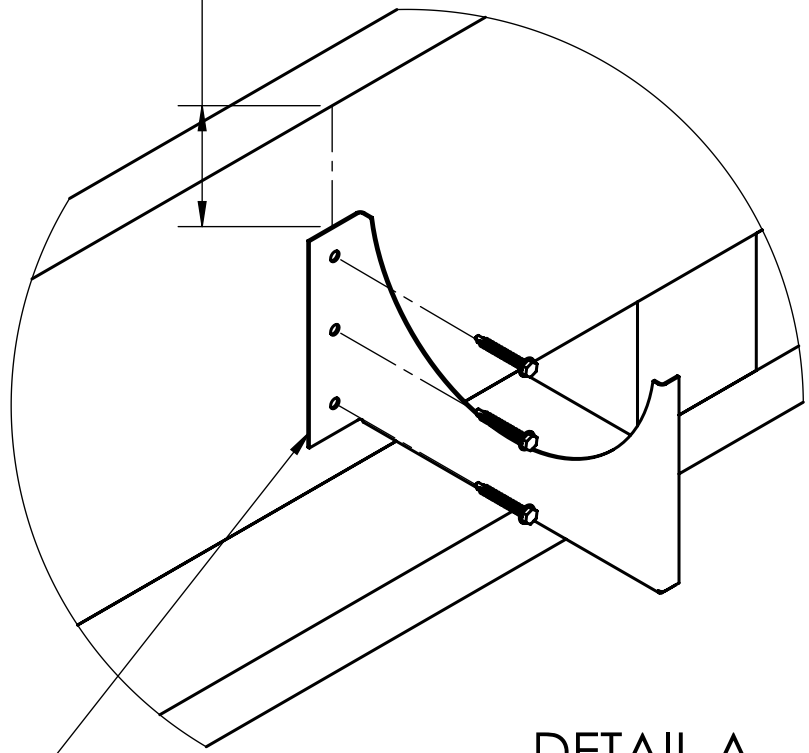
INSTALL AT 2 FT
[61 CM] INTERVALS
(STARTING 1 FT [30.5 CM]
IN FROM EXTRUSION)

HEIGHT OF PAD	[B] DISTANCE BETWEEN TOP FLANGE OF PAE500 TO TOP OF PAB250 (PAD HEIGHT + 4")
36 IN [91.4 CM]	40 IN [101.6 CM]
48 IN [121.9 CM]	52 IN [132.1 CM]
60 IN [152.4 CM]	64 IN [162.6 CM]
72 IN [182.9 CM]	76 IN [193.0 CM]
78.7 IN [200.0 CM]	82.7 IN [210.1 CM]

[B]
FROM TOP FLANGE
OF PAE500 TO TOP
OF PAB250

(6 FT PAD EXAMPLE)
76in
[193.0 CM]

POSITION BRACKETS
3 IN [7.6 CM] BELOW
ROUGH OPENING

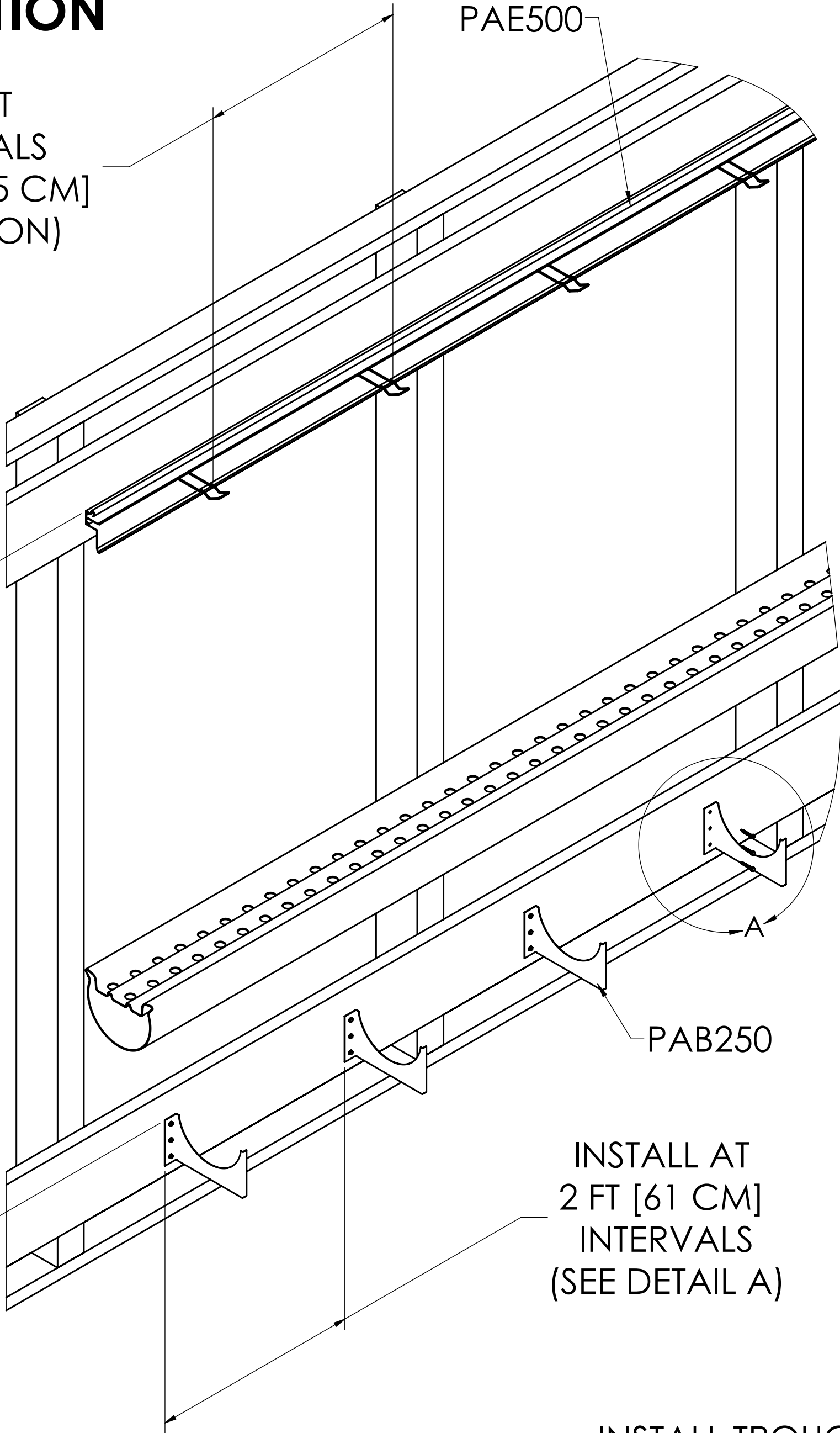


INSTALL STAINLESS STEEL BRACKETS (PAB250)
ALONG BOTTOM STRINGER USING (3) WOOD
SCREWS (PAS250) PER BRACKET

INSTALL PACROD
BETWEEN TROUGH
AND STRINGER TO
SEAL OFF AIR GAPS

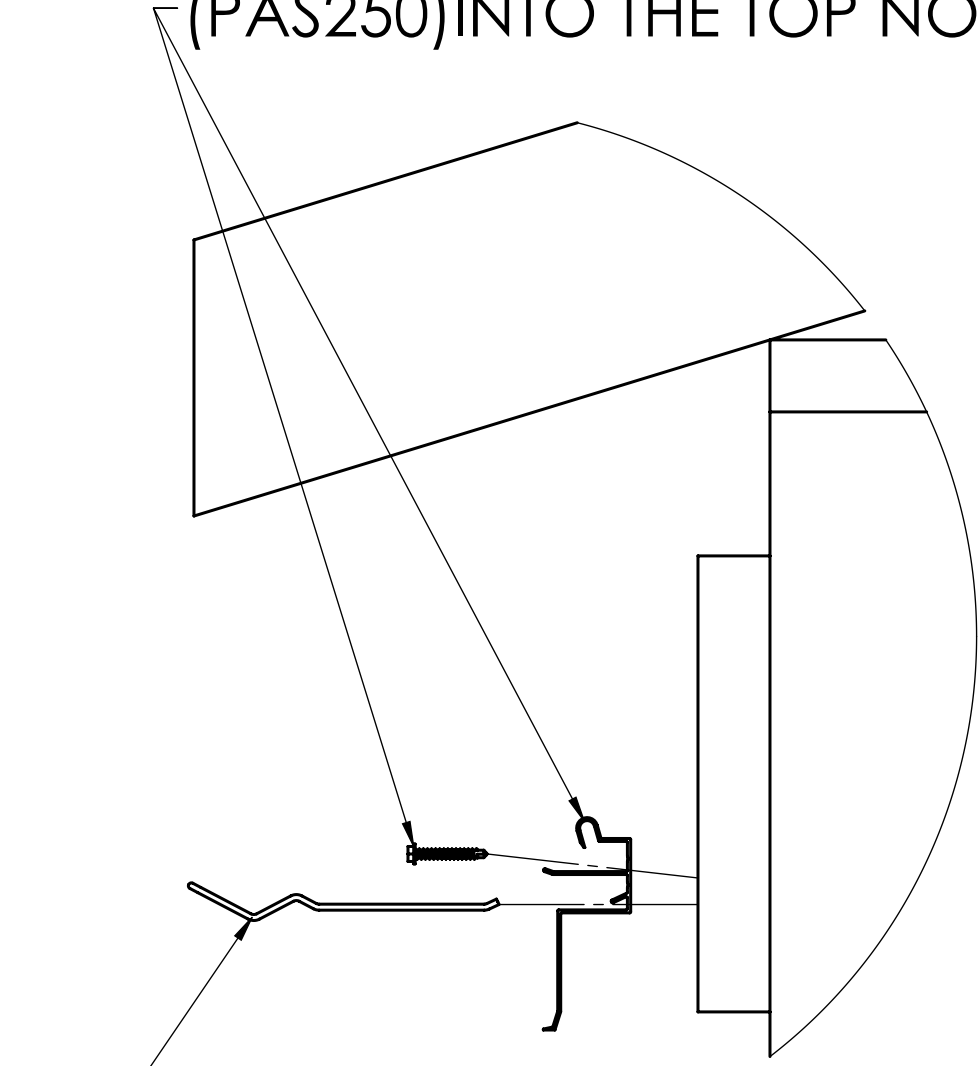
INSTALL TROUGH
(813029) ONCE
BRACKETS (PAB250)
ARE MOUNTED

INSTALL AT
2 FT [61 CM]
INTERVALS
(SEE DETAIL A)



CLOSED TOP FLUSH MOUNT

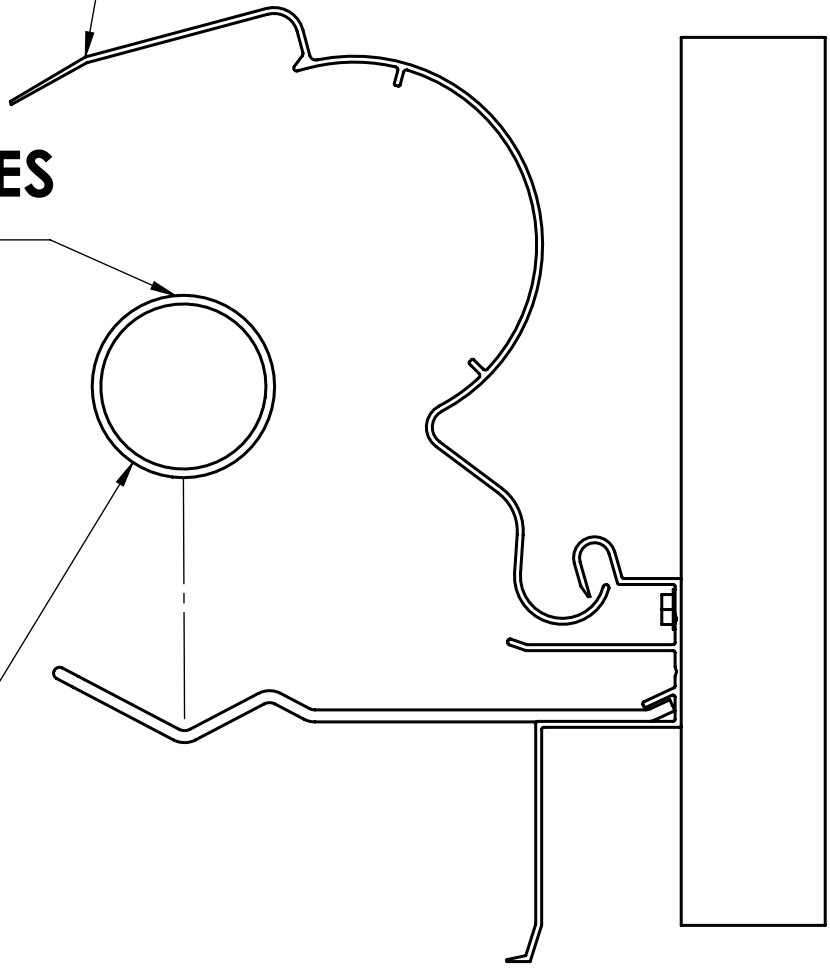
MOUNT ALUMINUM TOP EXTRUSION (PAE500)
TO TOP STRINGER BY DRILLING WOOD SCREWS
(PAS250) INTO THE TOP NOTCH AT 2FT (61 CM) INTERVALS



CLIP IN WIRE BRACKETS (PAB700) INTO
TOP EXTRUSION (PAE500) AT 2 FT (61 CM) INTERVALS

INSTALL ALUMINUM
COVER (813008)
IN UPRIGHT POSITION

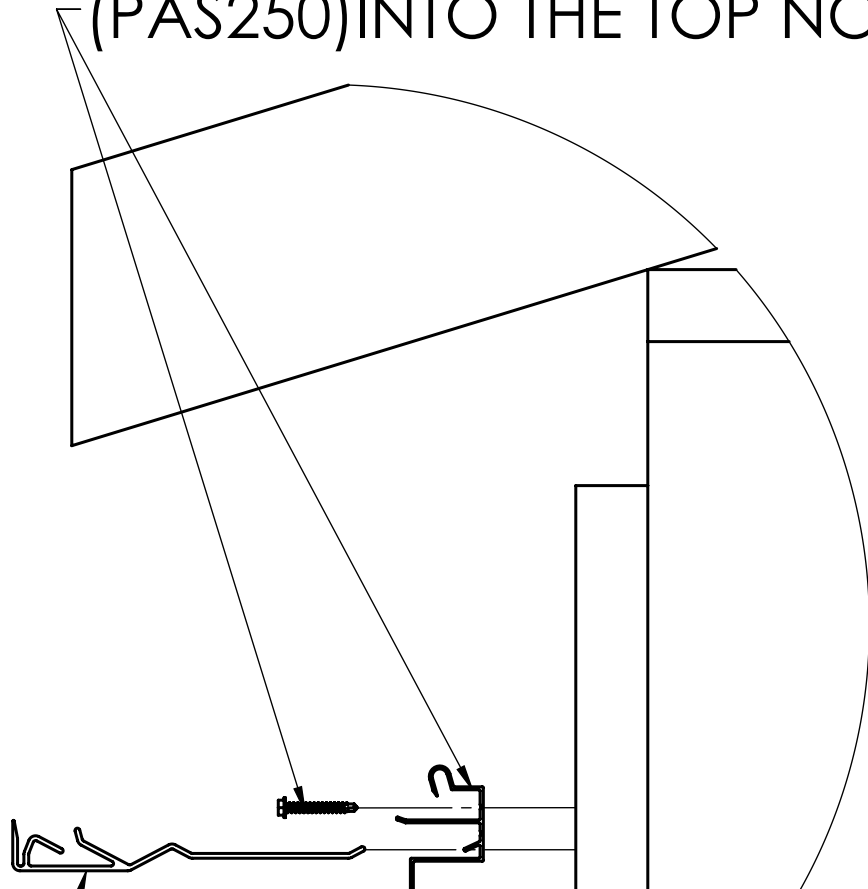
ORIENT HOLES
UPWARDS



LOWER PVC DRILLED PIPE (PAP150DS)
ONTO WIRE BRACKETS (PAB700)

OPEN TOP FLUSH MOUNT

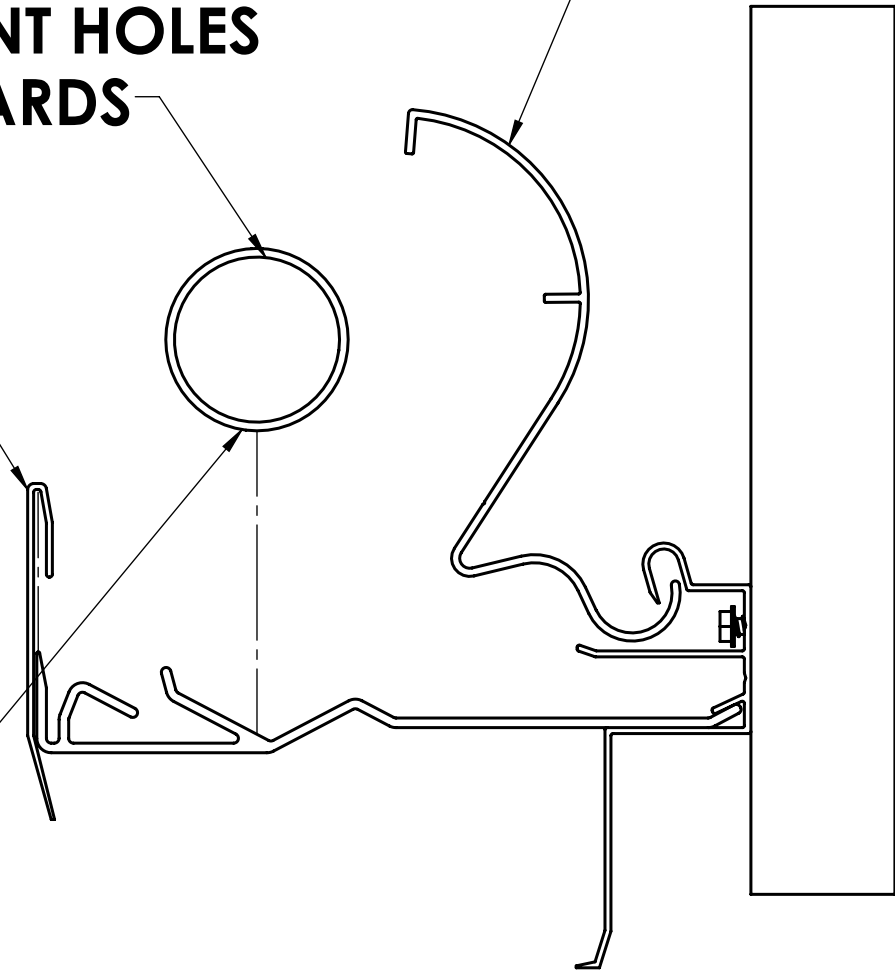
MOUNT ALUMINUM TOP EXTRUSION (PAE500)
TO TOP STRINGER BY DRILLING WOOD SCREWS
(PAS250) INTO THE TOP NOTCH AT 2FT INTERVALS



CLIP IN OPEN TOP BRACKET (PAC609) INTO
TOP EXTRUSION (PAE500) AT 2 FT (61 CM) INTERVALS

INSTALL OPEN TOP ALUMINUM COVER
(PAC607) IN UPRIGHT POSITION

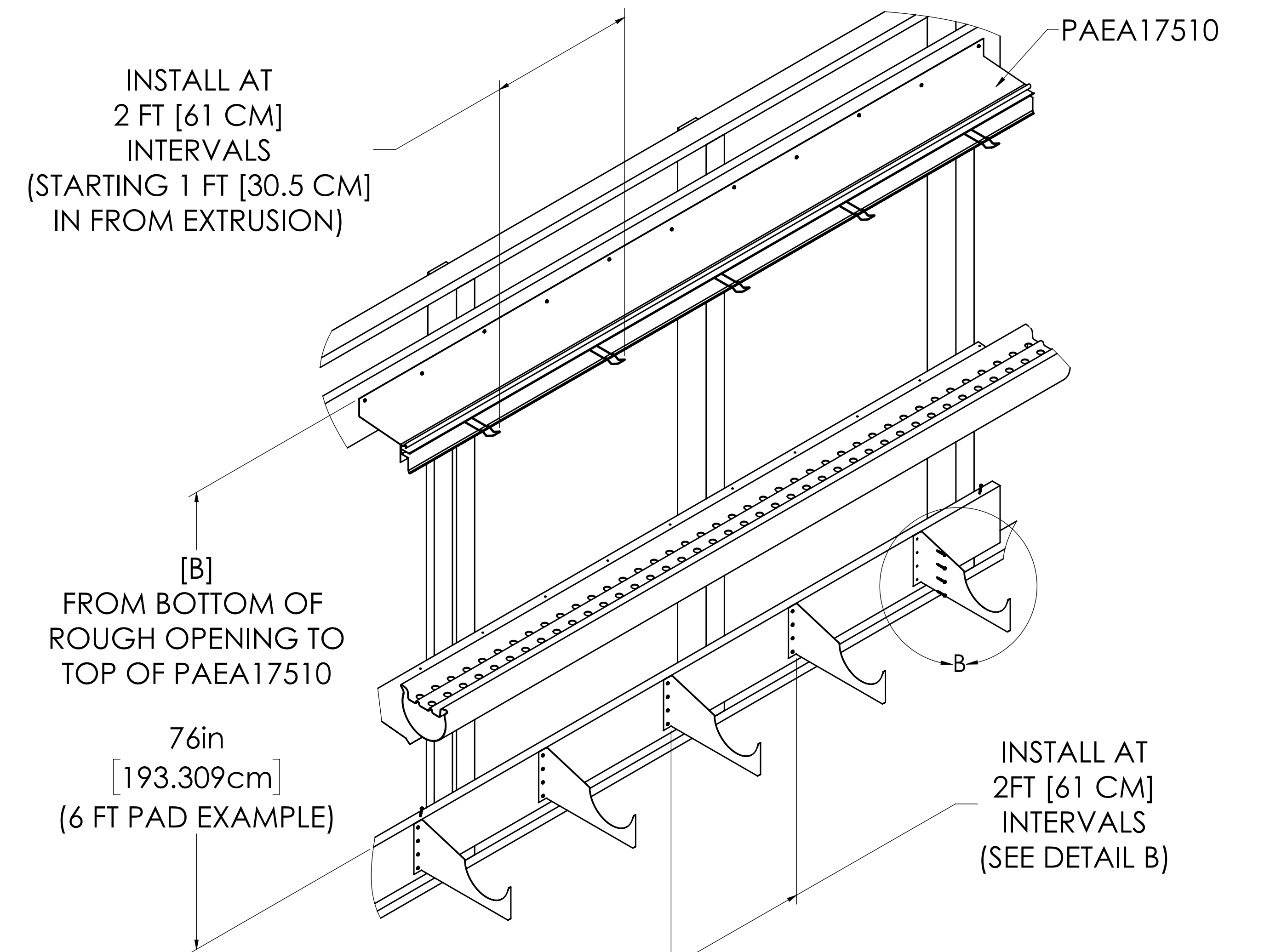
ORIENT HOLES
UPWARDS



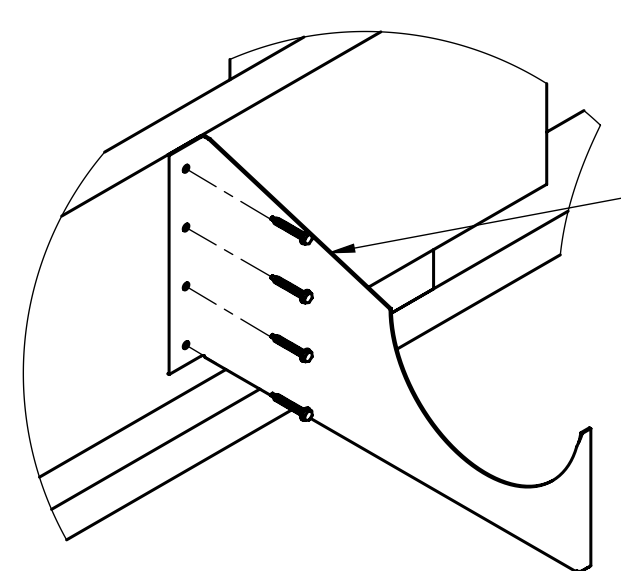
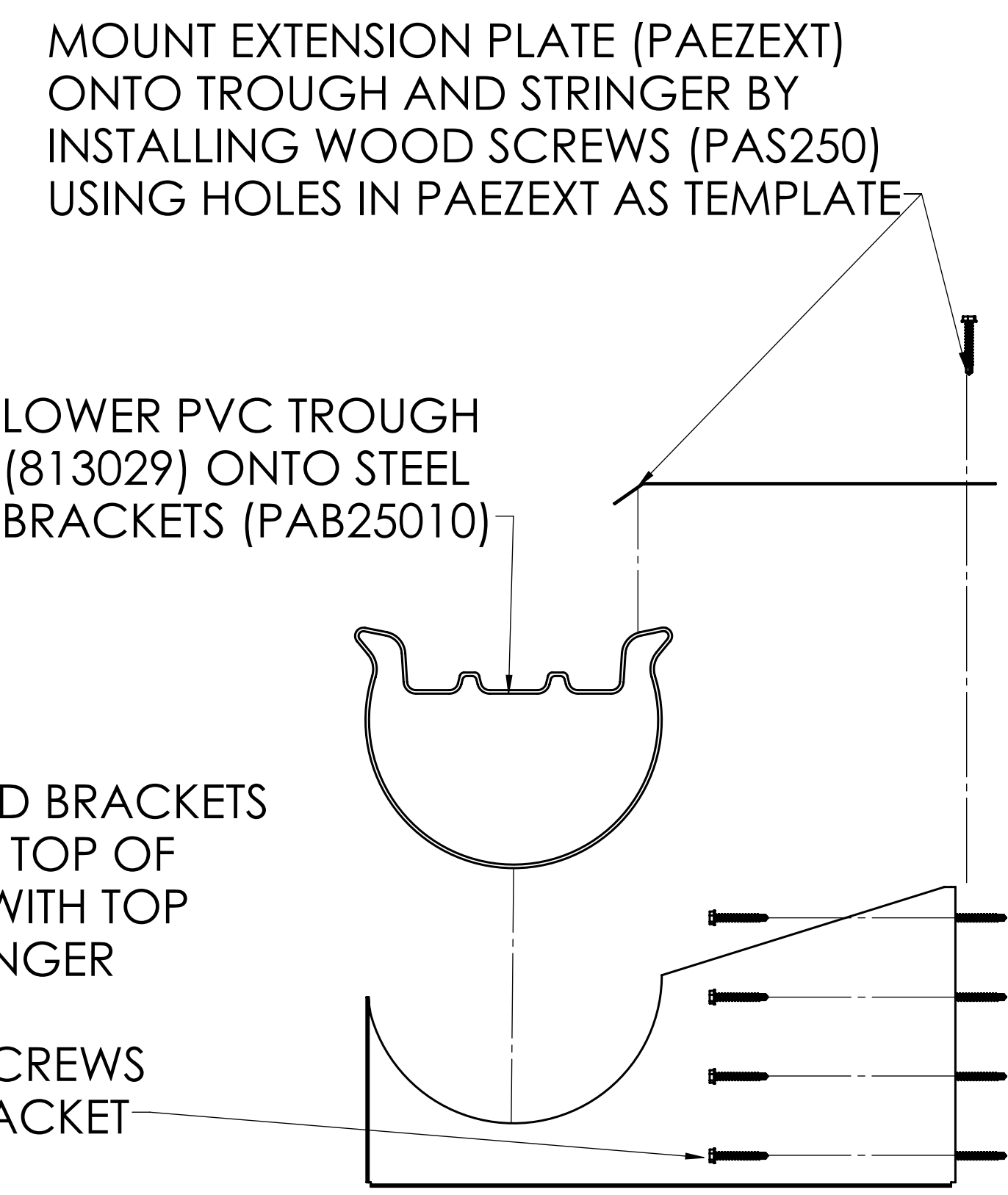
CLIP IN PAC608 TO
HOLD PAD IN PLACE

LOWER PVC DRILLED PIPE (PAP150DS)
ONTO BRACKET OPEN TOP BRACKET

EXTENDED MOUNT BRACKET INSTALLTION



HEIGHT OF PAD	[B] DISTANCE FROM BOTTOM OF ROUGH OPENING TO TOP OF PAEA17510 (PAD HEIGHT + 4 IN [10.2 CM])
36 IN [91.44 CM]	41 IN [104.1 CM]
48 IN [121.9 CM]	53 IN [134.6 CM]
60 IN [152.4 CM]	65 IN [165.1 CM]
72 IN [182.8 CM]	76 IN [193.0 CM]
78.7 IN [200 CM]	82.7 IN [210.1 CM]

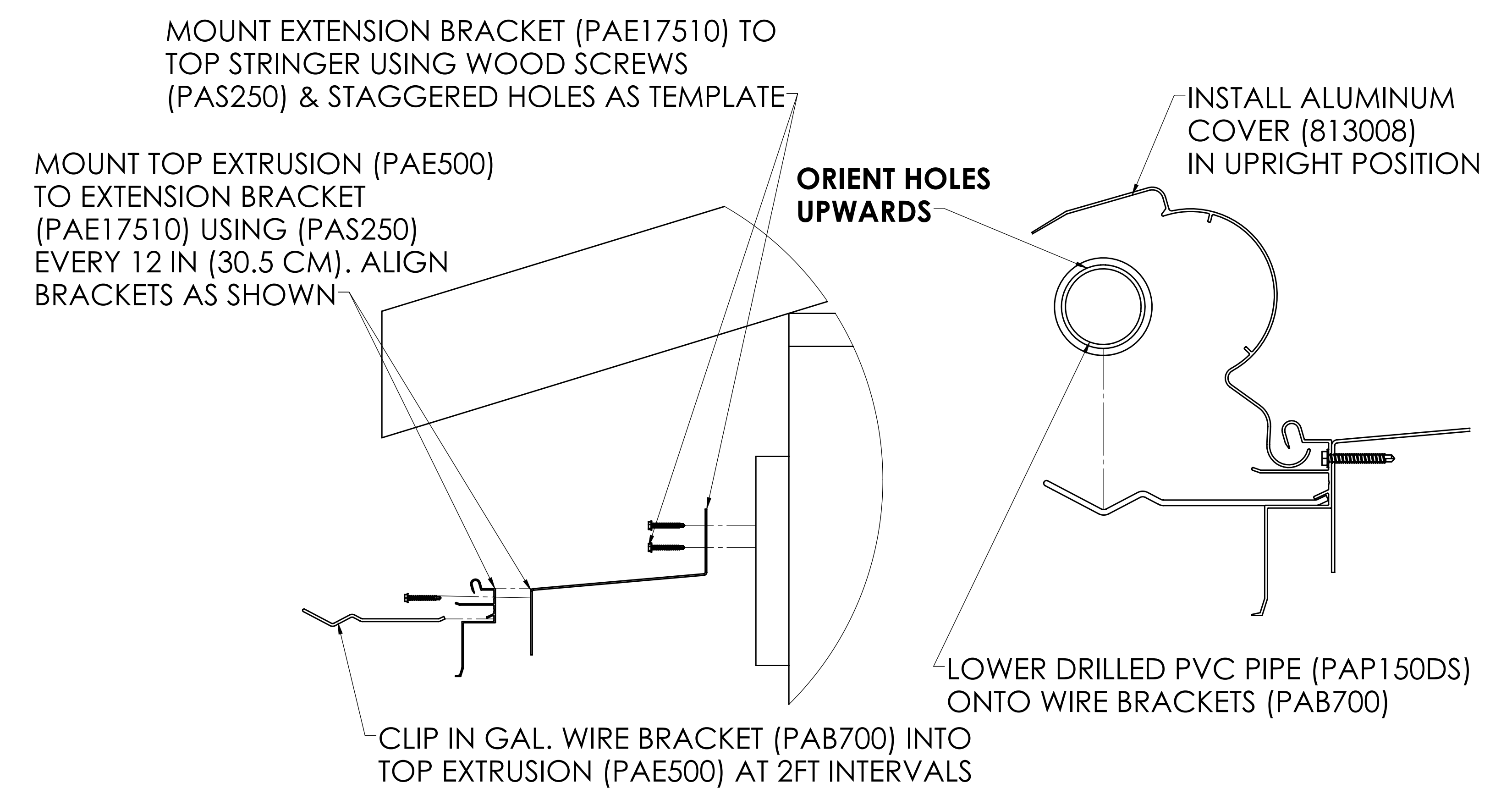


DETAIL B
SCALE 1 : 6

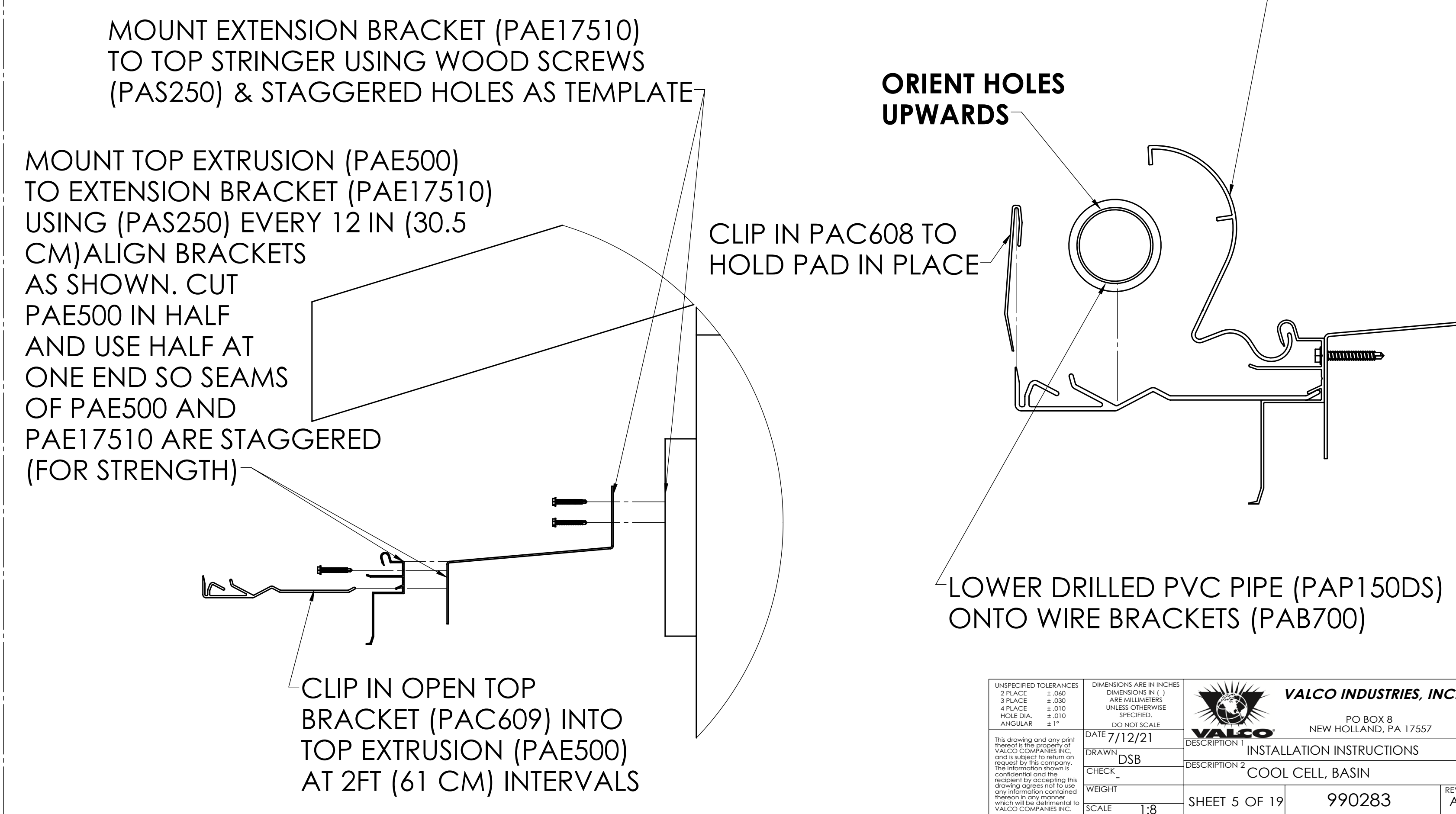
INSTALL EXTENDED BRACKETS
(PAB25010) WITH TOP OF
BRACKET FLUSH WITH TOP
OF BOTTOM STRINGER

USE (4) WOOD SCREWS
(PAS250) PER BRACKET

CLOSED TOP (EXTENDED MOUNT)



OPEN TOP (EXTENDED MOUNT)



END FED HEADER KIT & COOL PADS (FLUSH MOUNT/EXTENDED MOUNT)

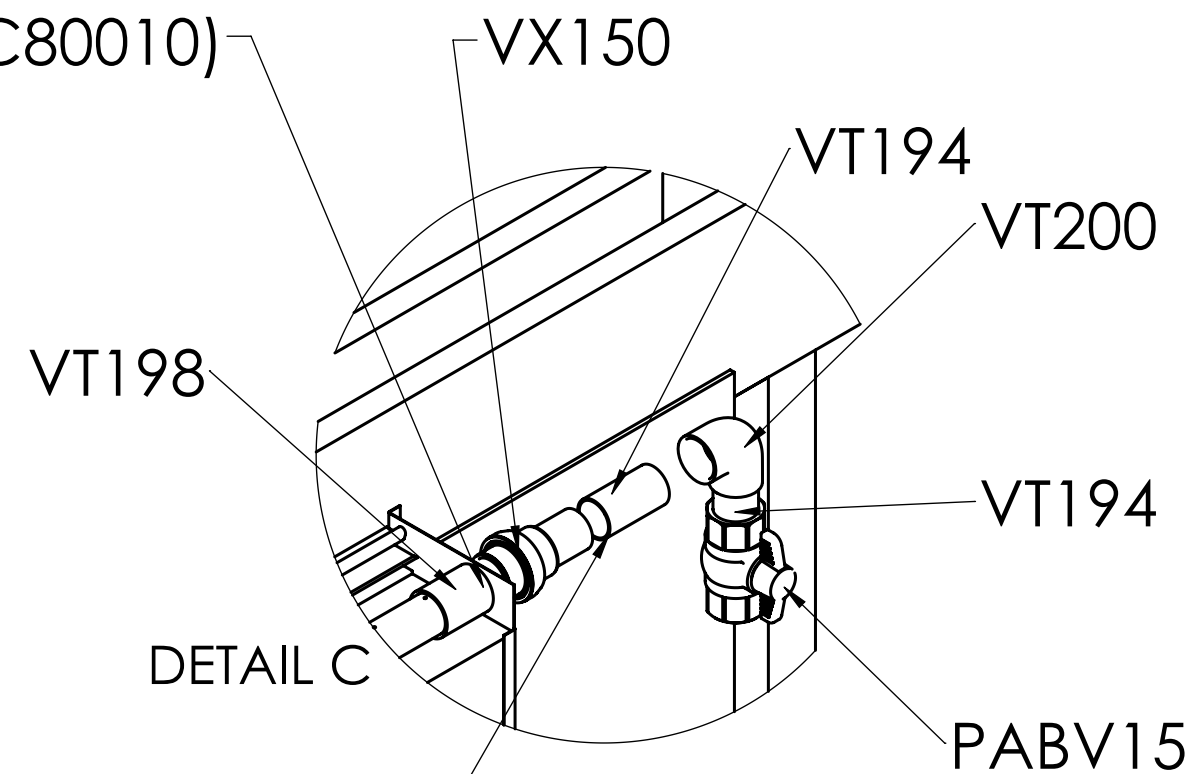
SLIDE COOLING PADS IN BETWEEN TROUGH (813029) AND TOP BRACKETS (PAC609/PAB700)

ORIENT COOL PADS BY FOLLOWING ARROW DECALS

813011
PAP865

PAP865 TRIM BOTTOM TO CLEAR TROUGH

GLUE & SLIDE PIPE COUPLER (VT198) ONTO DRILLED PIPE (PAP150D) BEFORE INSTALLING SIDE COVERS (PAC800/PAC80010)

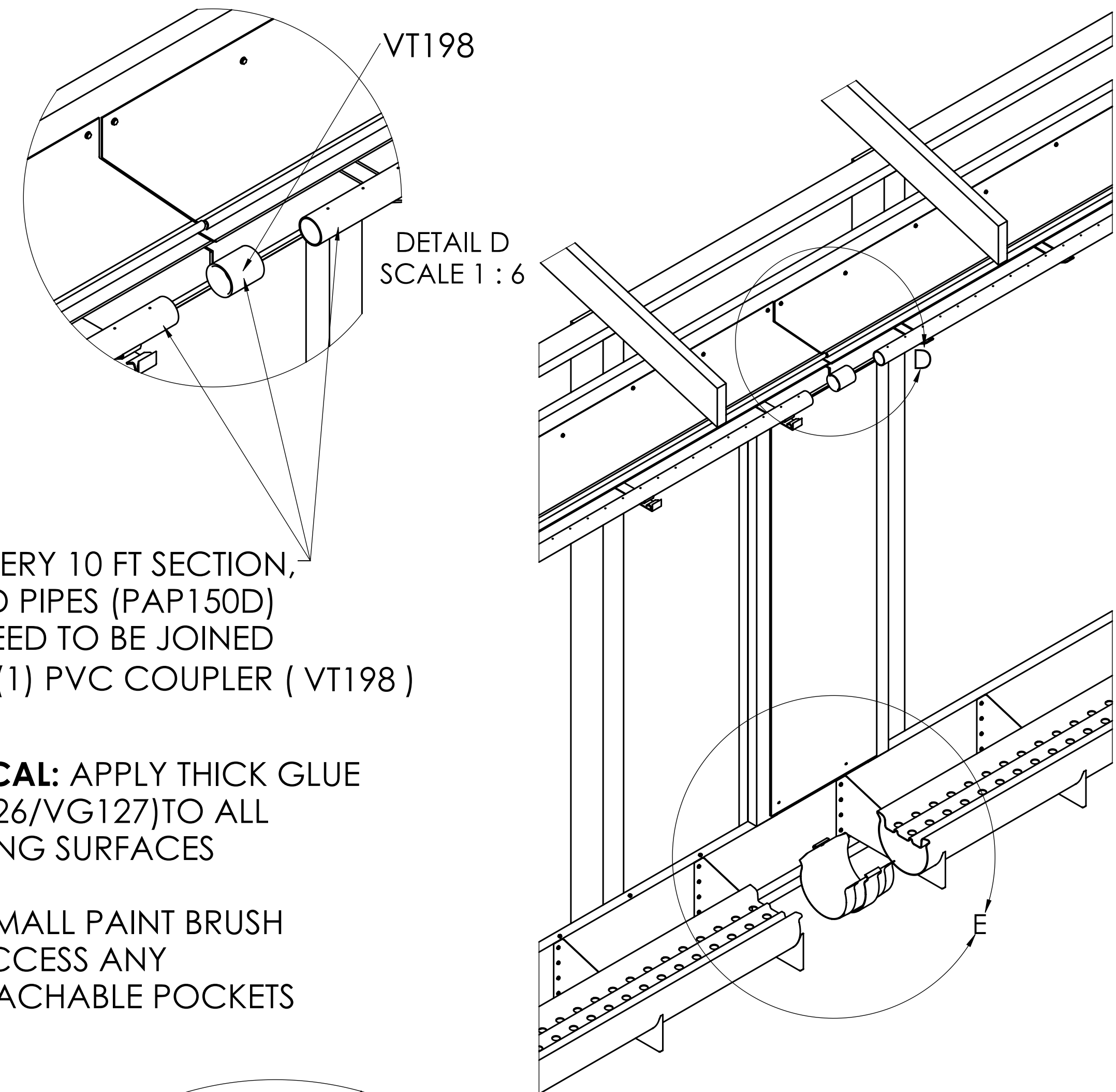


AFTER SIDE COVERS (PAC800/PAC80010/813026) ARE INSTALLED, USE 1 1/2" PIPE (VT194) TO CONNECT COUPLER (VT198) TO UNION (VX150), THEN UNION (VX150) TO ELBOW (VT200) & DRAIN VALVE(PABV15) TO ELBOW (VT200)

FIT END ADAPTER (PAP865) AND RUBBER CAP (813011) ONTO END OF THE SYSTEM

MOUNT SIDE COVERS (PAC800/PAC80010) FLUSH TO COOL PADS. ATTACH THEM TO THE WALL USING (4) WOOD SCREWS (PAS250) FOR EACH END

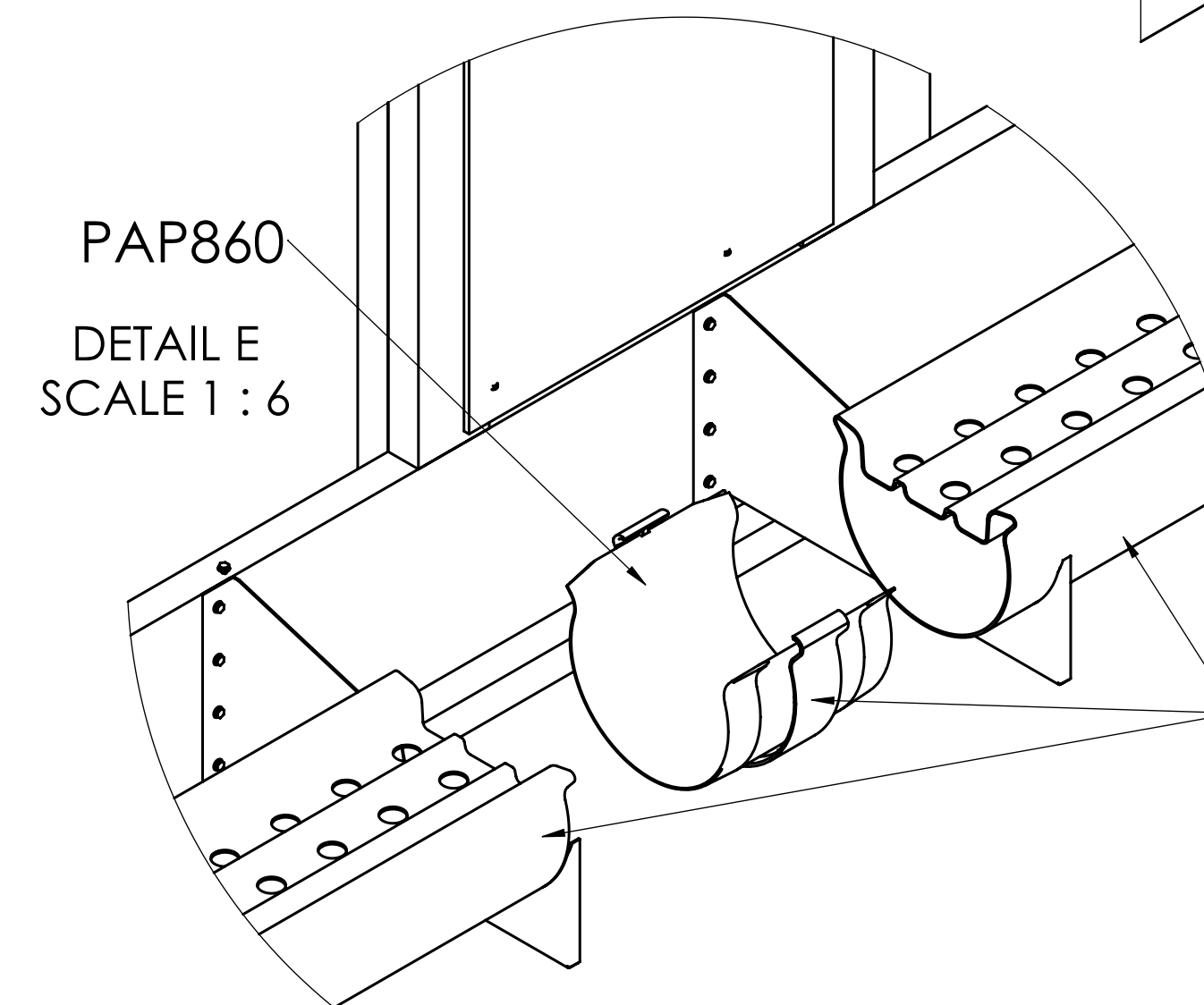
JOINING 10 FT SECTIONS




FOR EVERY 10 FT SECTION, DRILLED PIPES (PAP150D) WILL NEED TO BE JOINED USING (1) PVC COUPLER (VT198)

CRITICAL: APPLY THICK GLUE (VG126/VG127)TO ALL JOINING SURFACES

USE SMALL PAINT BRUSH TO ACCESS ANY UNREACHABLE POCKETS

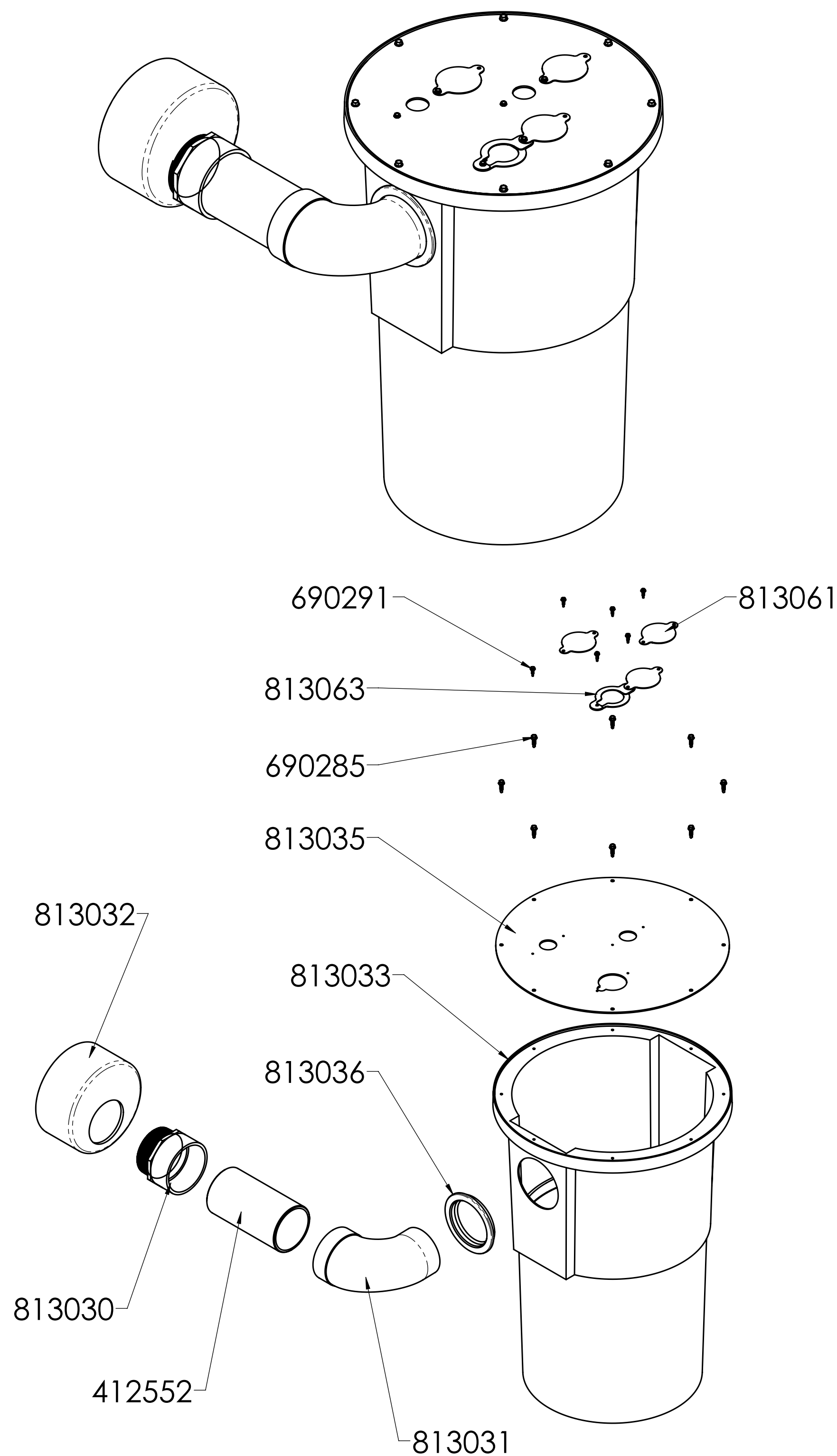


FOR EVERY 10 FT SECTION, TROUGHS (813029) WILL NEED TO BE JOINED TOGETHER USING (1) MOLDED COUPLER (PAP860)

UNSPECIFIED TOLERANCES 2 PLACE ±.000 3 PLACE ±.000 4 PLACE ±.010 HOLE DIA ±.010 ANGULAR ±.1°	DIMENSIONS ARE IN INCHES DIMENSIONS IN () ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED DO NOT SCALE	 VALCO INDUSTRIES, INC. PO BOX 8 NEW HOLLAND, PA 17557
This drawing and any part thereof is the property of VALCO COMPANIES INC. and is subject to return or request by this company. The information herein is confidential and the recipient by accepting this drawing agrees not to use any information contained herein in any manner which will be detrimental to VALCO COMPANIES INC.	DATE 7/12/21 DRAWN DSB CHECK - WEIGHT SCALE 1:8	DESCRIPTION 1 INSTALLATION INSTRUCTIONS DESCRIPTION 2 COOL CELL, BASIN SHEET 6 OF 19 990283 REV. A

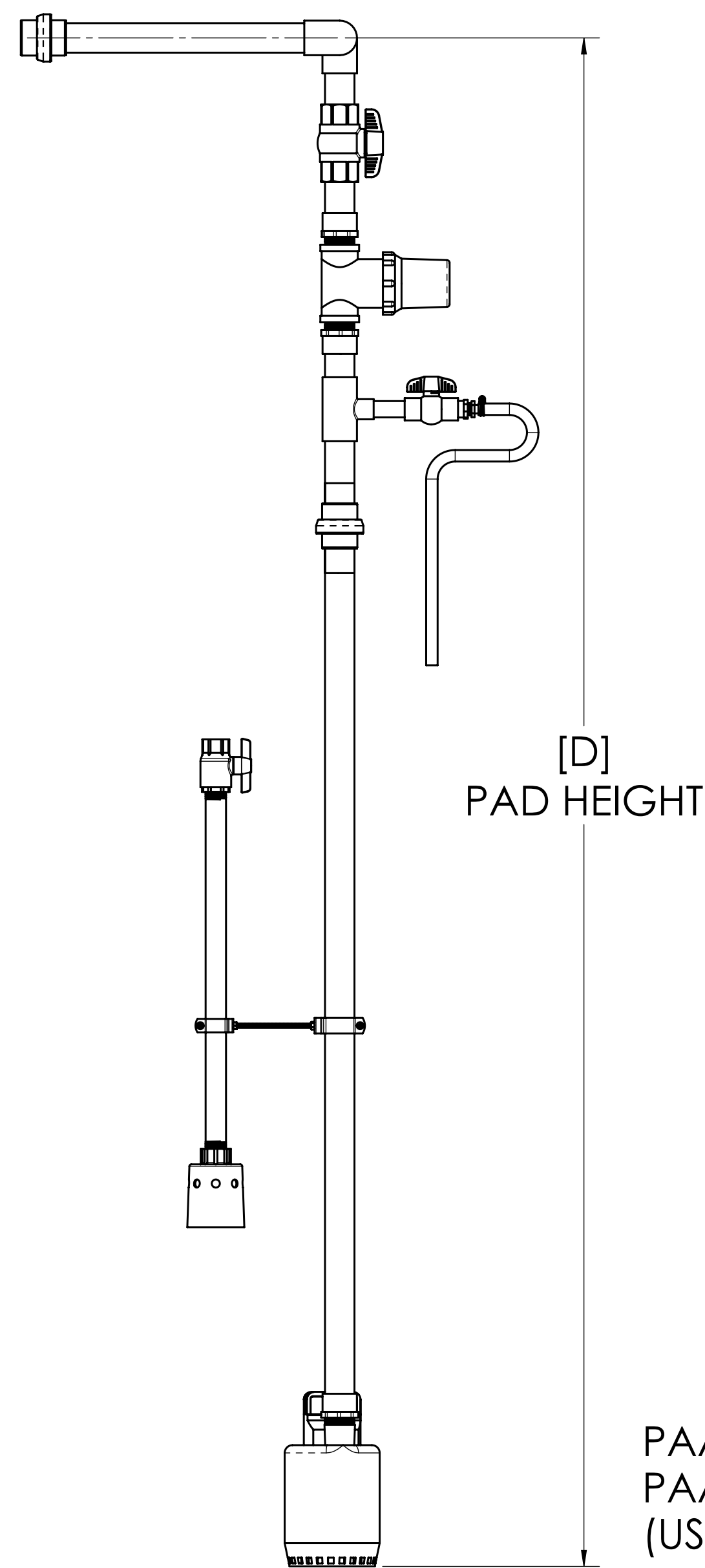
SUMP ASSEMBLY (END FED)

NOTE: USE VG126/VG127 TO GLUE
PVC PIPES TOGETHER.
USE ON THREADS OF 813030 & 813032



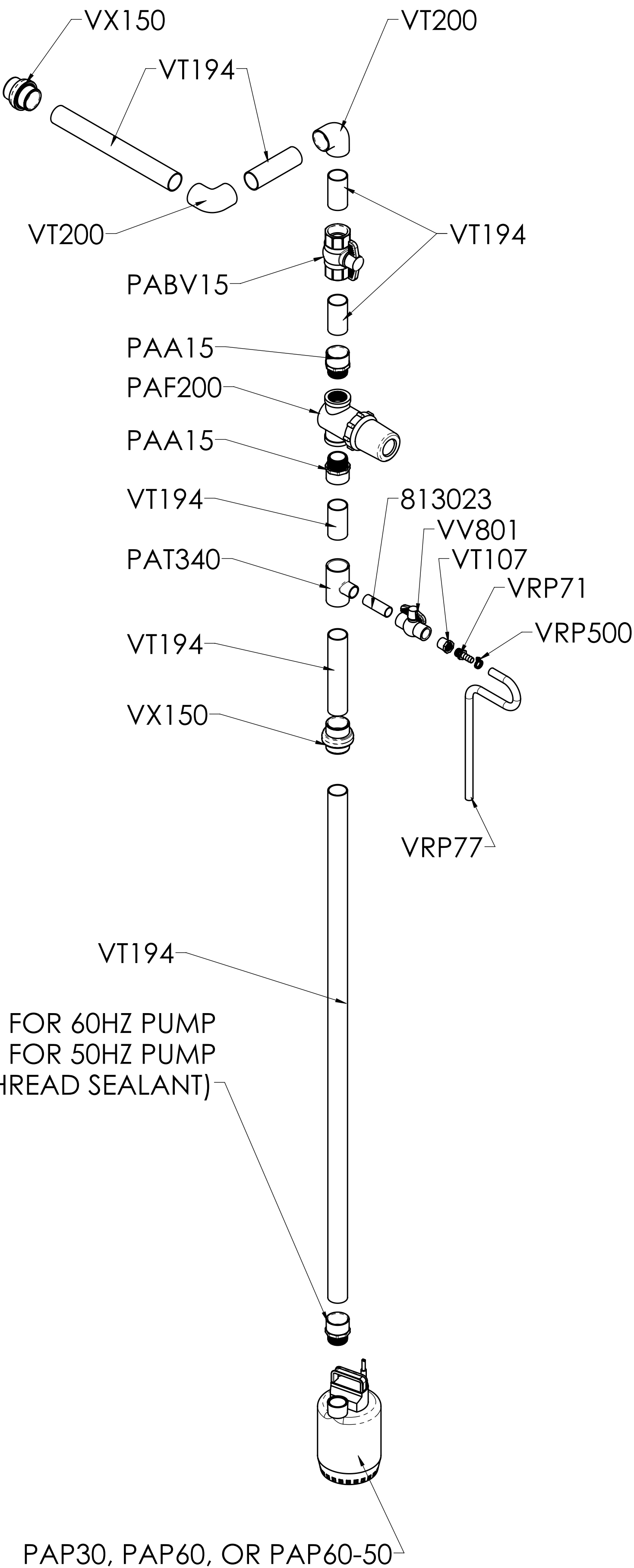
PUMP ASSEMBLY (END FED)

FOR 6 FT PAD SHOWN BELOW



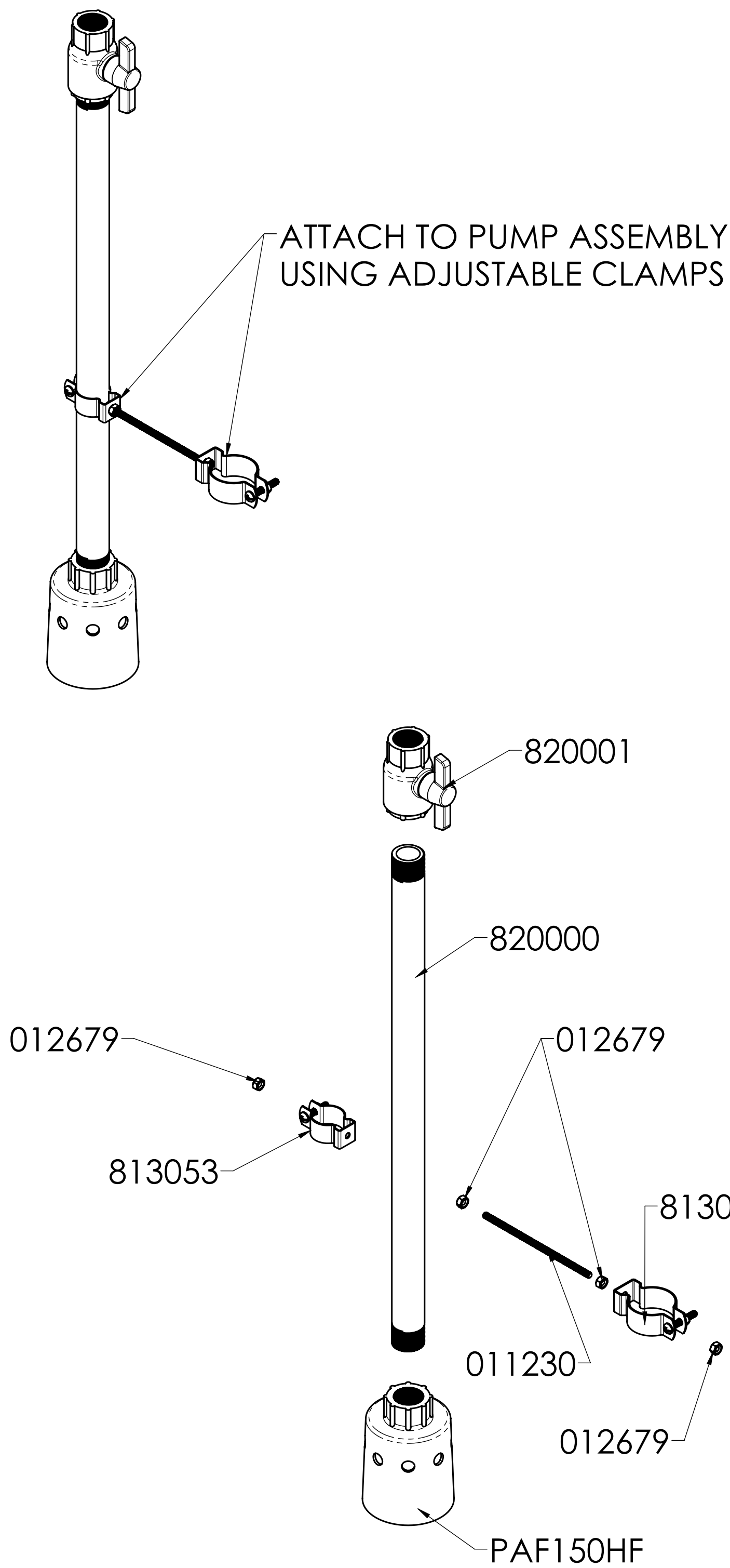
PAD HEIGHT	[D] PUMP HEIGHT (LARGE CAPACITY)
36 IN [91.4 CM]	64.5 IN [163.8 CM]
48 IN [121.9 CM]	76.5 IN [194.3 CM]
60 IN [152.4 CM]	88.5 IN [224.8 CM]
72 IN [182.9 CM]	100.5 IN [255.3 CM]
78.7 IN [200.0 CM]	107.2 IN [272.3 CM]

NOTE: USE VG126/VG127 TO GLUE
PVC PIPES TOGETHER



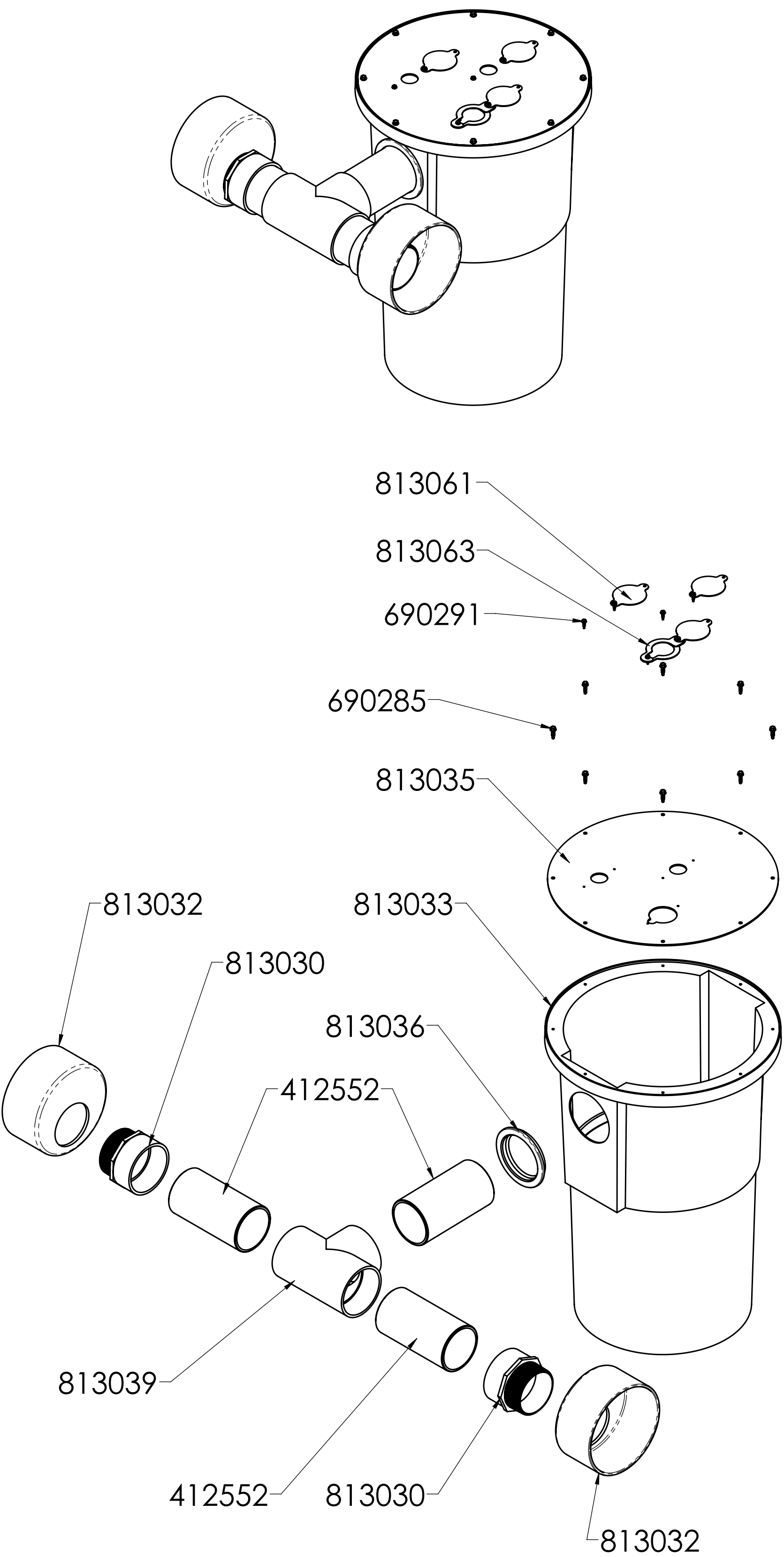
WATER INLET ASSEMBLY

NOTE: USE SEALANT
ON THREADS



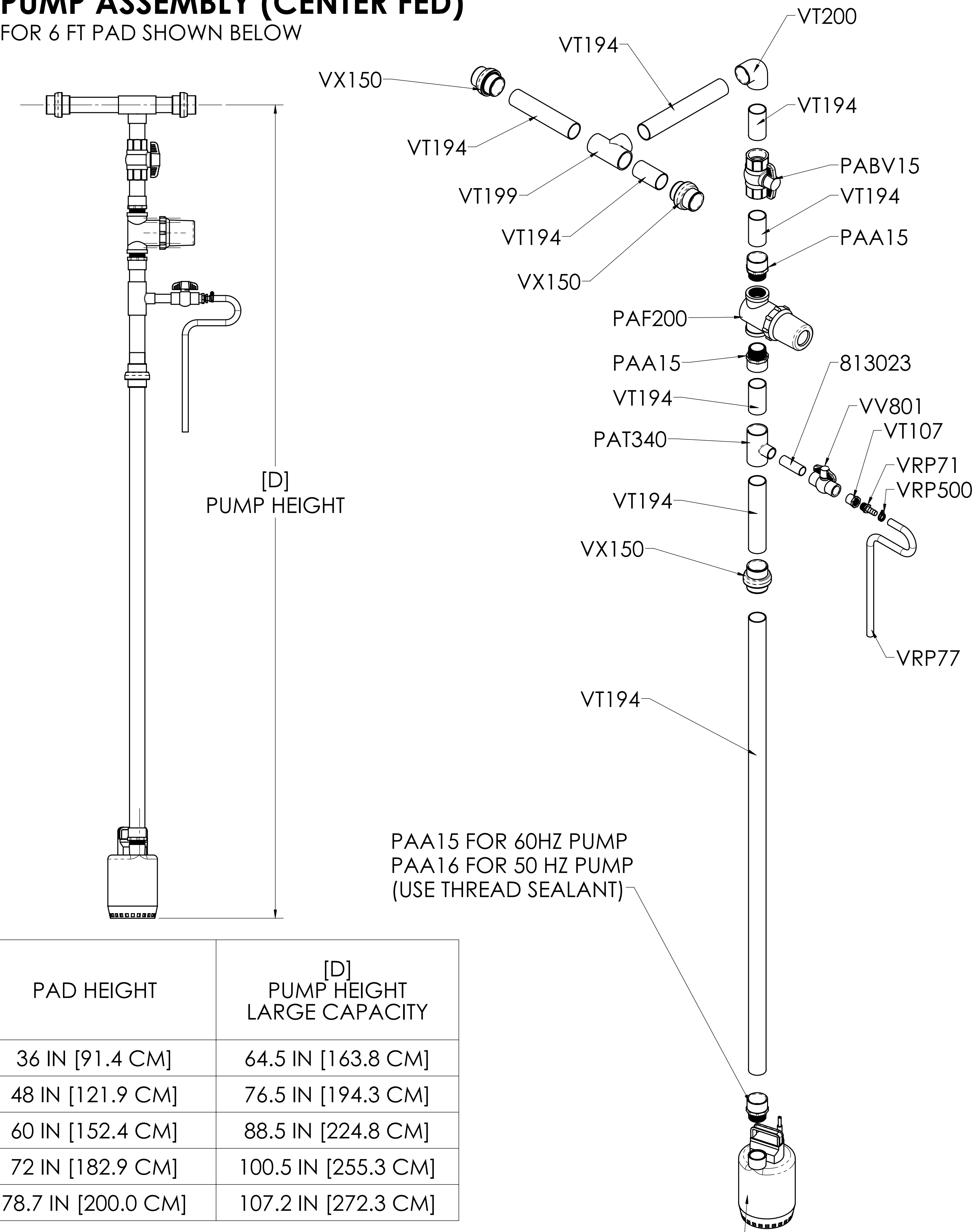
SUMP ASSEMBLY (CENTER FED)

NOTE: USE VG126/VG127 TO GLUE
PVC PIPES TOGETHER
USE ON THREADS OF 813030 & 813032



PUMP ASSEMBLY (CENTER FED)

FOR 6 FT PAD SHOWN BELOW



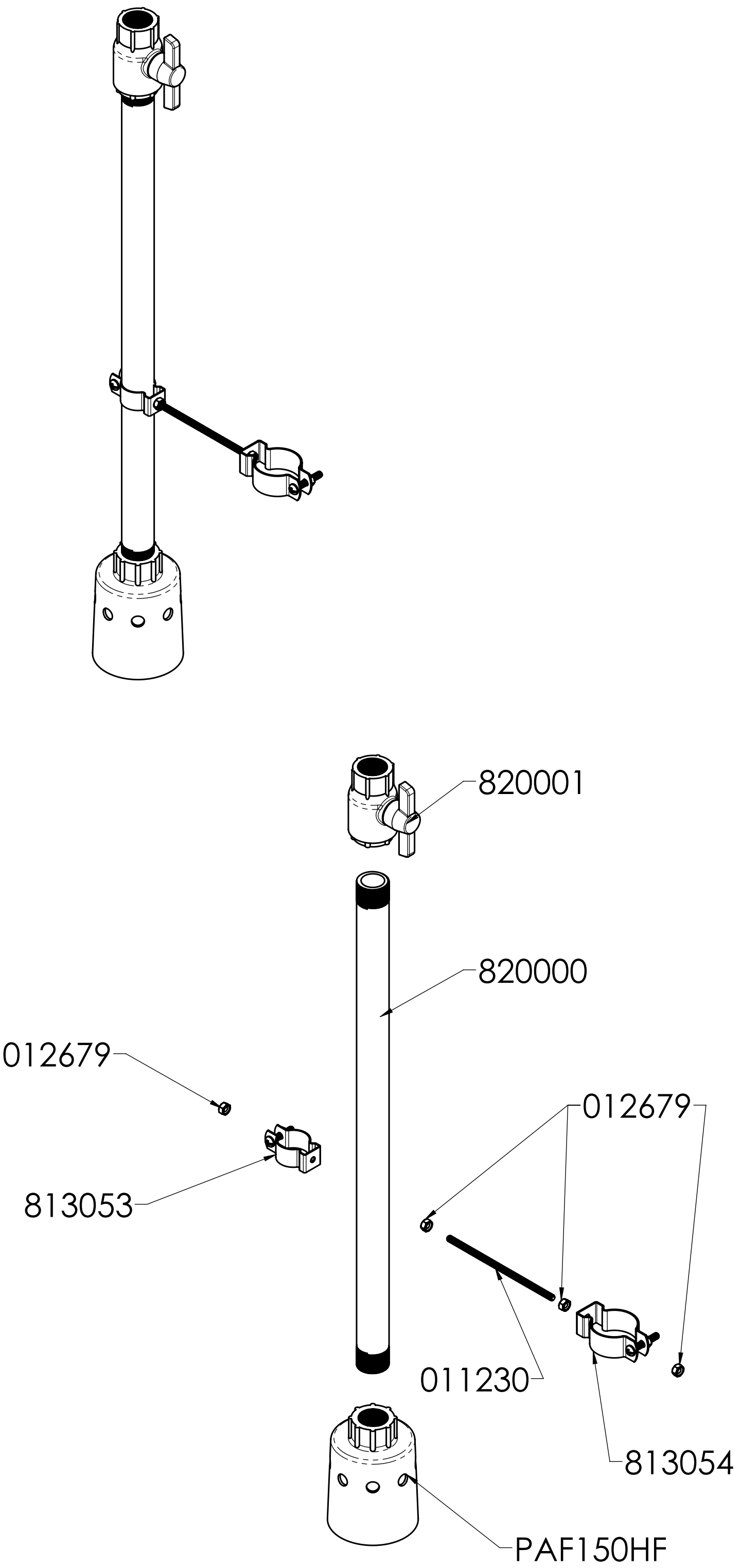
PAD HEIGHT	[D] PUMP HEIGHT LARGE CAPACITY
36 IN [91.4 CM]	64.5 IN [163.8 CM]
48 IN [121.9 CM]	76.5 IN [194.3 CM]
60 IN [152.4 CM]	88.5 IN [224.8 CM]
72 IN [182.9 CM]	100.5 IN [255.3 CM]
78.7 IN [200.0 CM]	107.2 IN [272.3 CM]

NOTE: USE VG126/VG127 TO GLUE
PVC PIPES TOGETHER

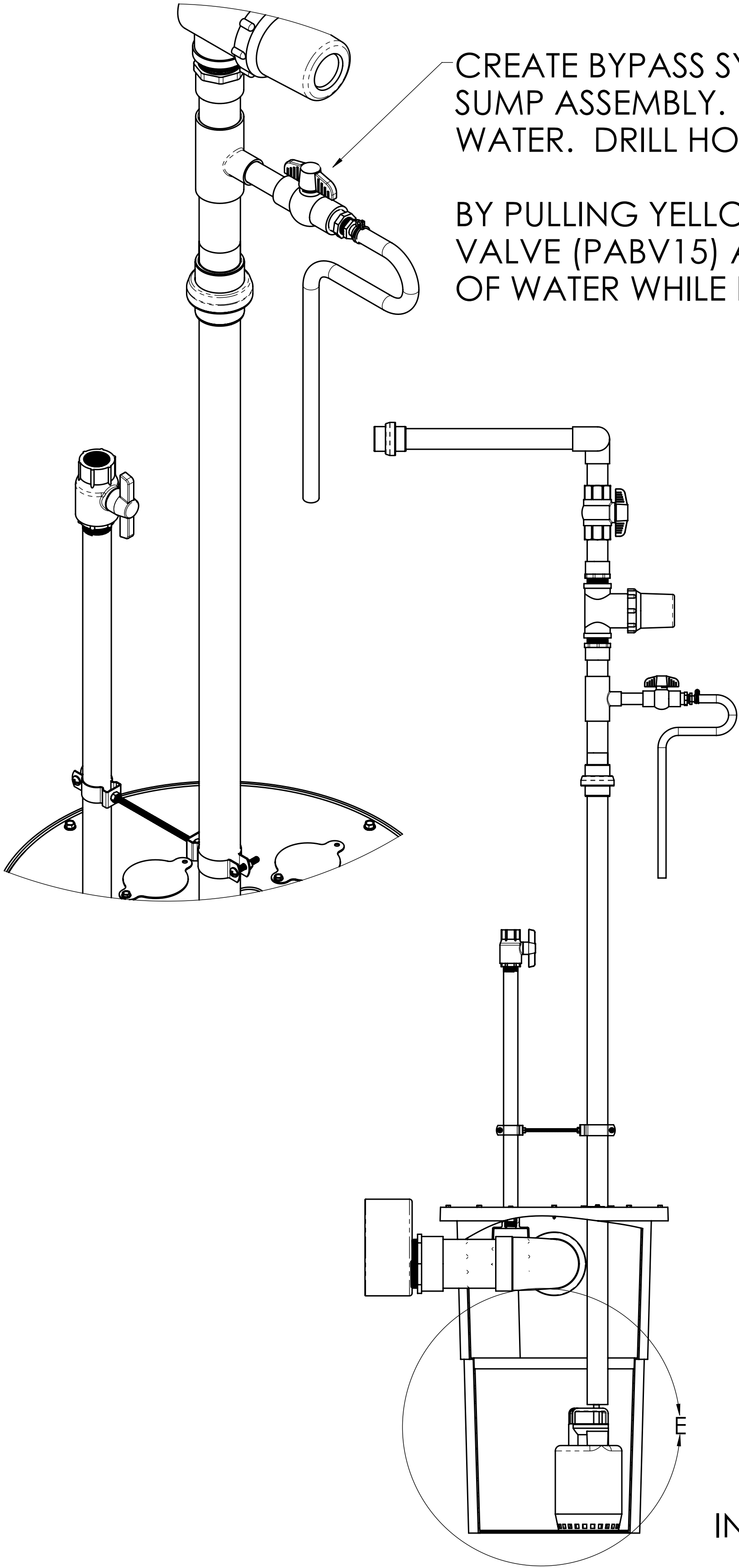
PAP30, PAP60, OR PAP60-50

WATER INLET ASSEMBLY

NOTE: USE SEALANT
ON THREADS



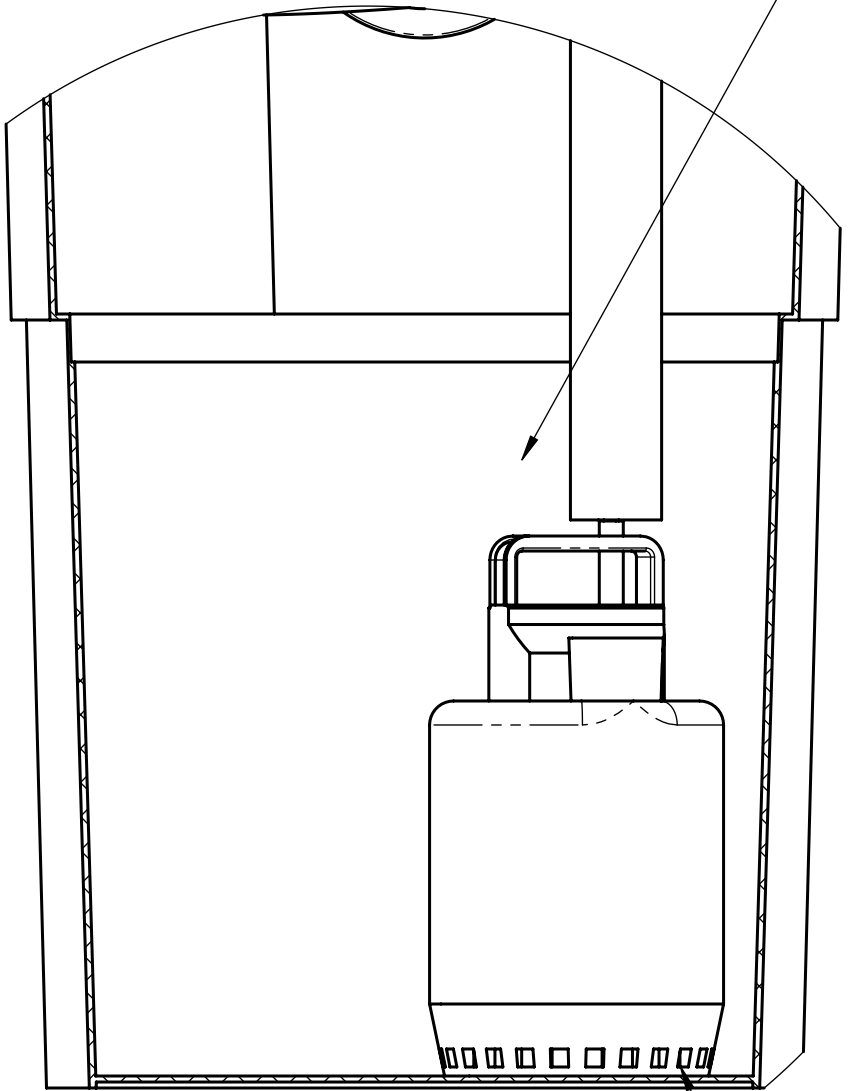
HEADER KIT ASSEMBLY (END FED & CENTER FED)



CREATE BYPASS SYSTEM BY RUNNING YELLOW HOSE BACK INTO SUMP ASSEMBLY. OPEN VALVE IF PUMP IS PROVIDING TOO MUCH WATER. DRILL HOLE IN BASIN COVER (813035) TO INSERT HOSE.

BY PULLING YELLOW HOSE OUT AND SHUTTING OFF TOP VALVE (PABV15) AND WATER INLET, THE SYSTEM CAN BE DRAINED OF WATER WHILE PUMP IS RUNNING.

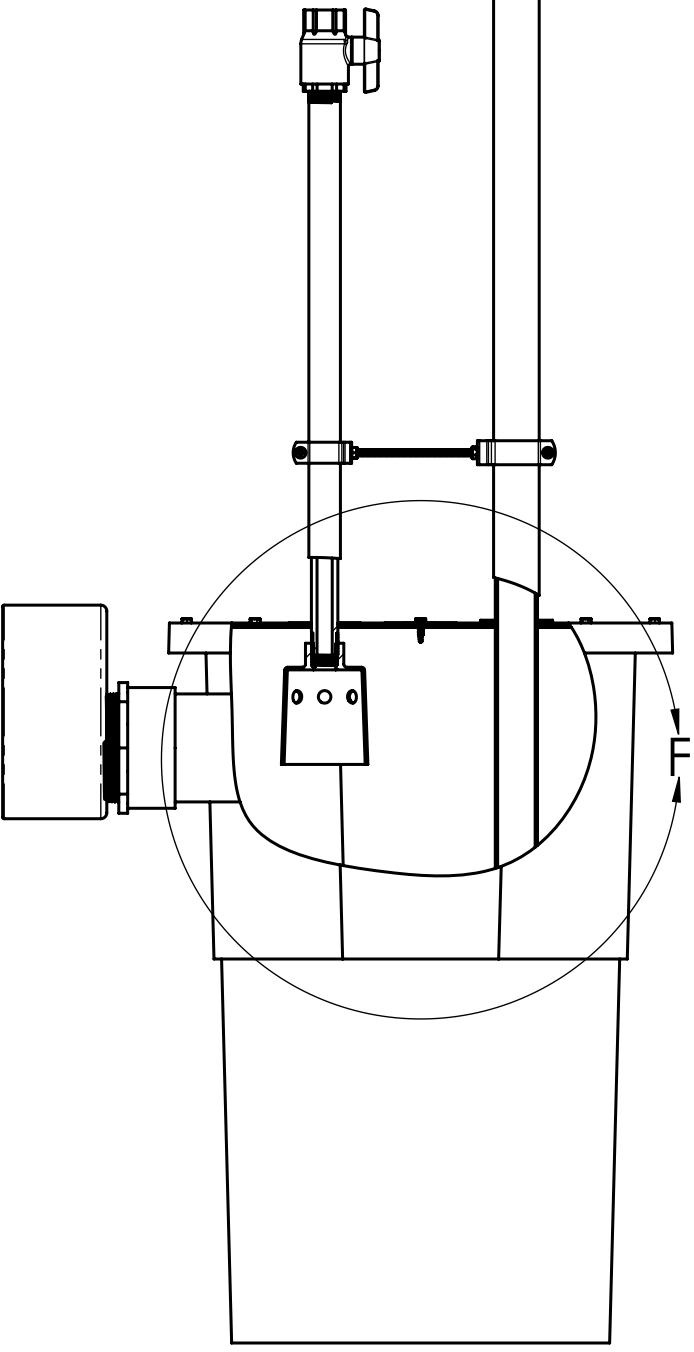
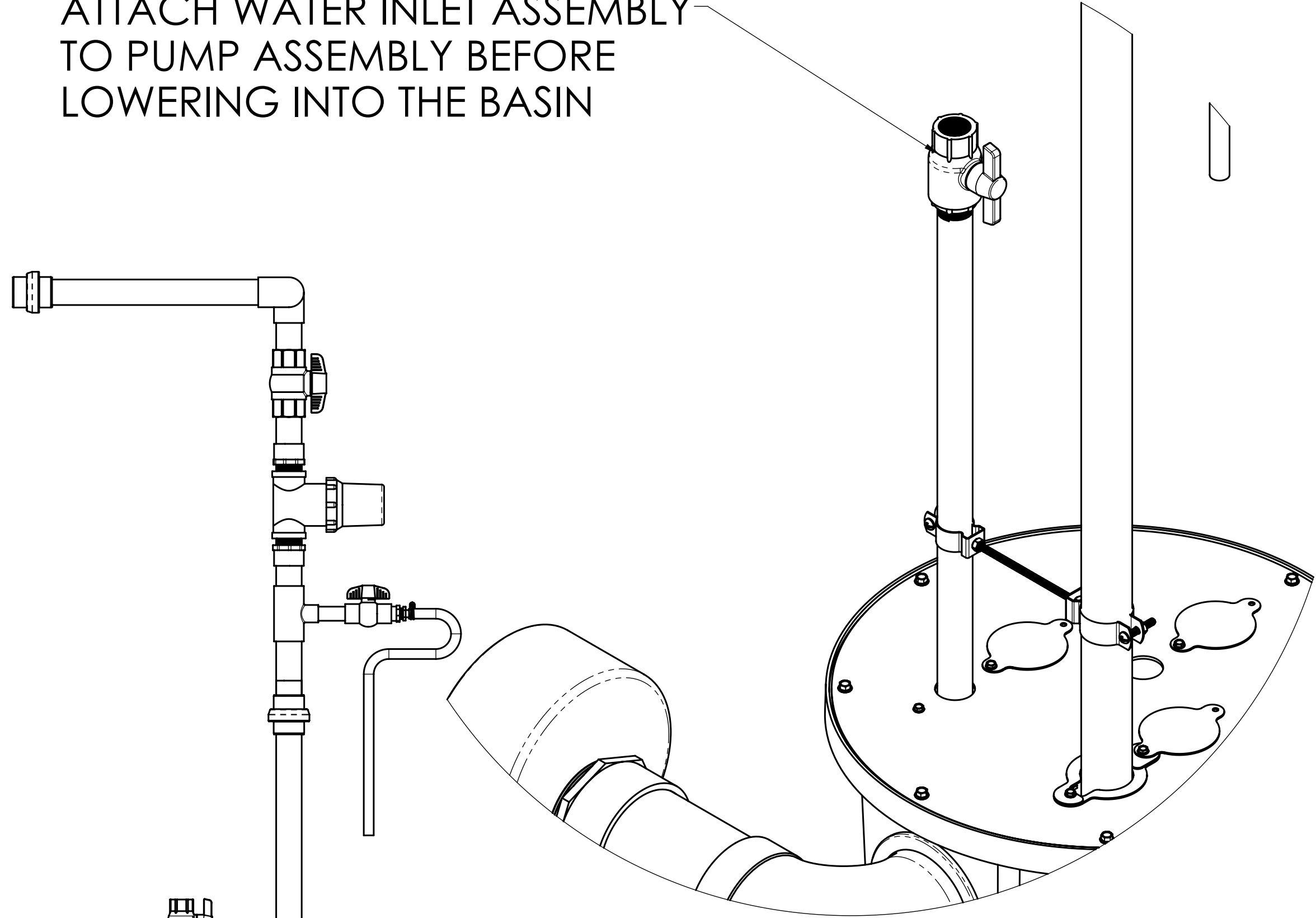
FOR AREAS WITH UNSTEADY WATER SUPPLY, INSTALLING A FLOAT SWITCH (813007) IS HIGHLY RECOMMENDED.



DETAIL E

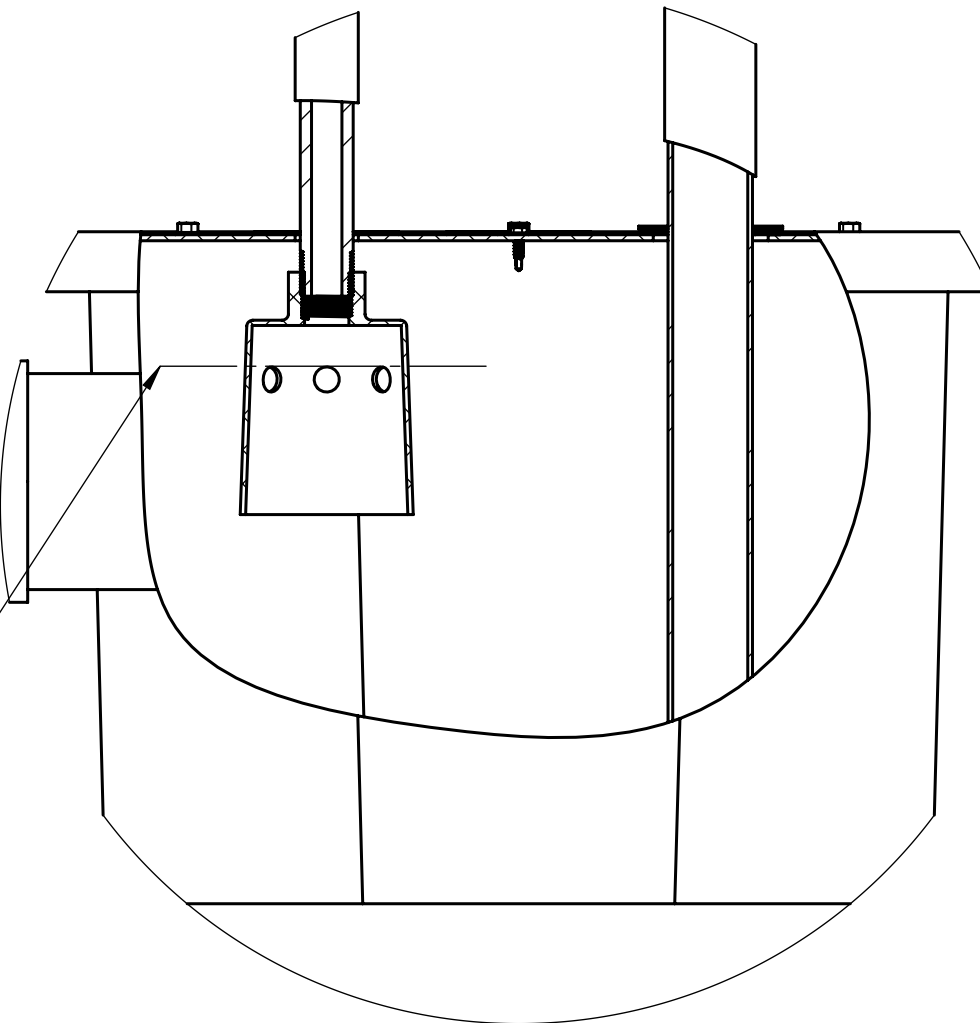
INSERT PUMP ASSEMBLY INTO BASIN
PUMP SHOULD BE SITTING ON THE FLOOR OF THE BASIN TO COLLECT ALL AVAILABLE WATER

ATTACH WATER INLET ASSEMBLY TO PUMP ASSEMBLY BEFORE LOWERING INTO THE BASIN



SITUATE FLOAT VALVE ORIFICES BELOW WHERE COOLING PAD SITS ON THE TROUGH

THIS WILL PREVENT WATER RESERVE FROM WATERLOGGING THE COOL PADS



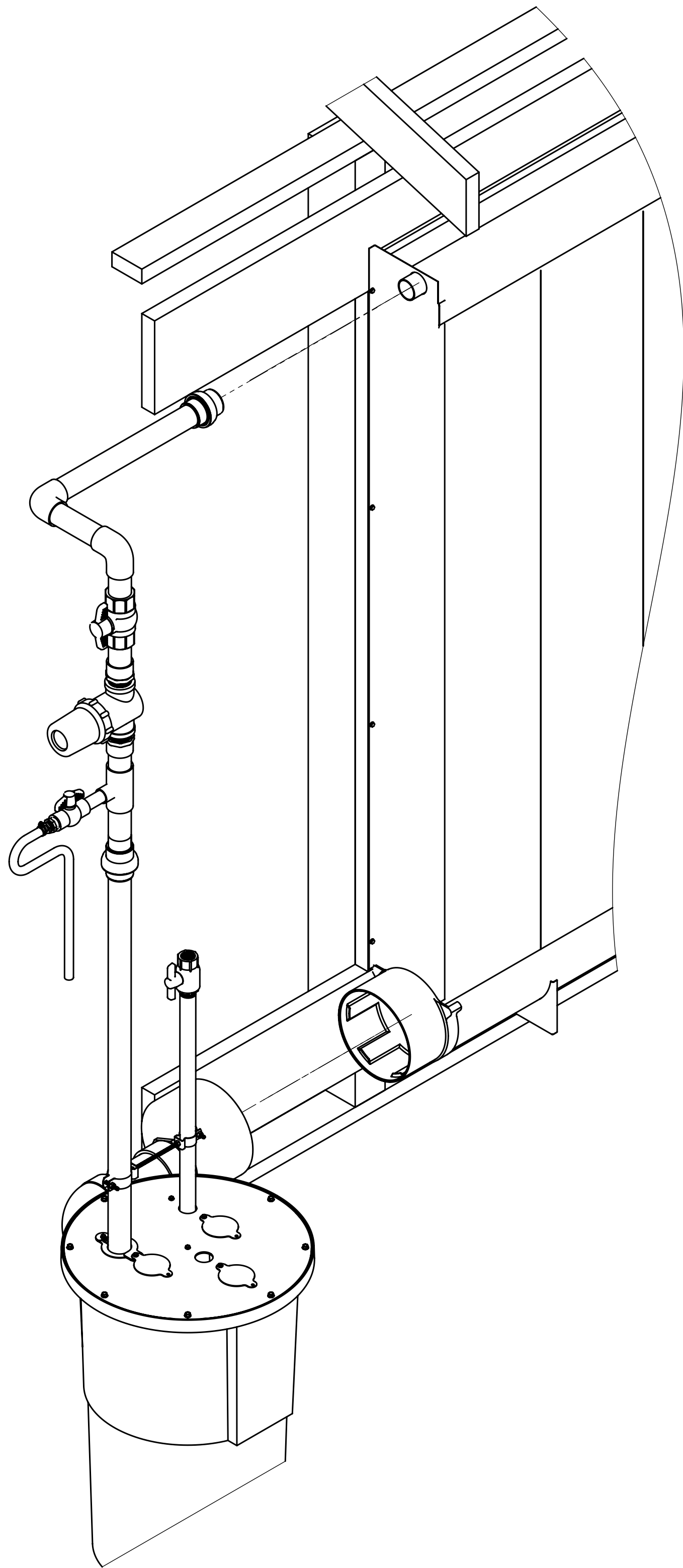
DETAIL F

UNSPECIFIED TOLERANCES: 2 PLACE ±.060 3 PLACE ±.030 4 PLACE ±.010 HOLE DIA ±.010 ANGULAR ±1°	DIMENSIONS ARE IN INCHES DIMENSIONS IN () ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED. DO NOT SCALE	DATE 7/12/21	DRAWN DSB	CHECK -	WEIGHT	SCALE 1:8	DESCRIPTION 1 INSTALLATION INSTRUCTIONS	DESCRIPTION 2 COOL CELL, BASIN	SHEET 9 OF 19	990283	REV. A

VALCO INDUSTRIES, INC.
PO BOX 8
NEW HOLLAND, PA 17557

END FED HEADER KIT INSTALLATION

PROCESS IDENTICAL FOR
(FLUSH MOUNT / EXTENDED MOUNT)

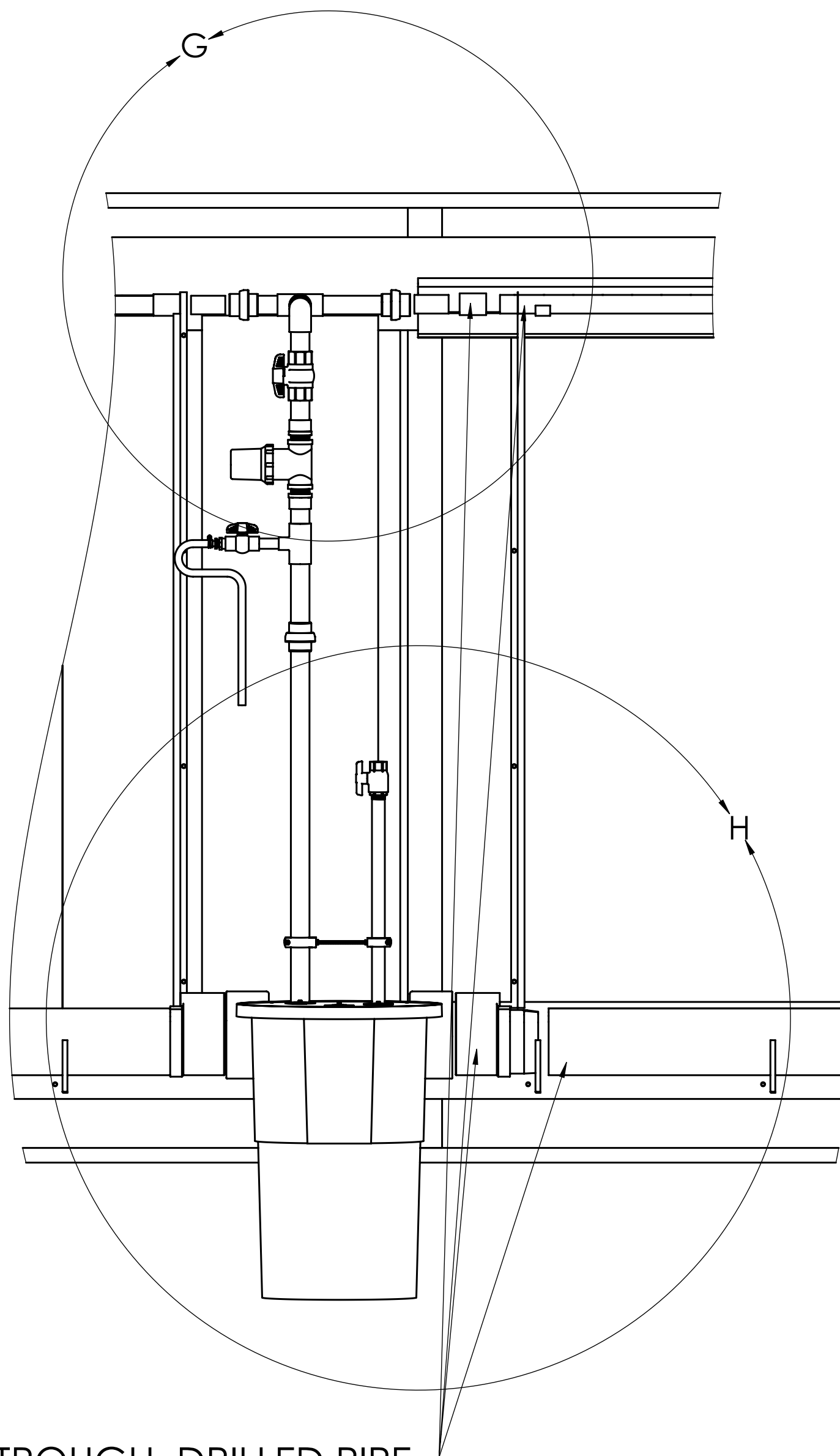


ONCE SIDE COVERS (PAC800/PAC80010/813026)
ARE INSTALLED, SLIDE END FED HEADER KIT
OVER TROUGH END ADAPTER (PAP865)
AND INTO DRILLED PIPE (PAP150DS)

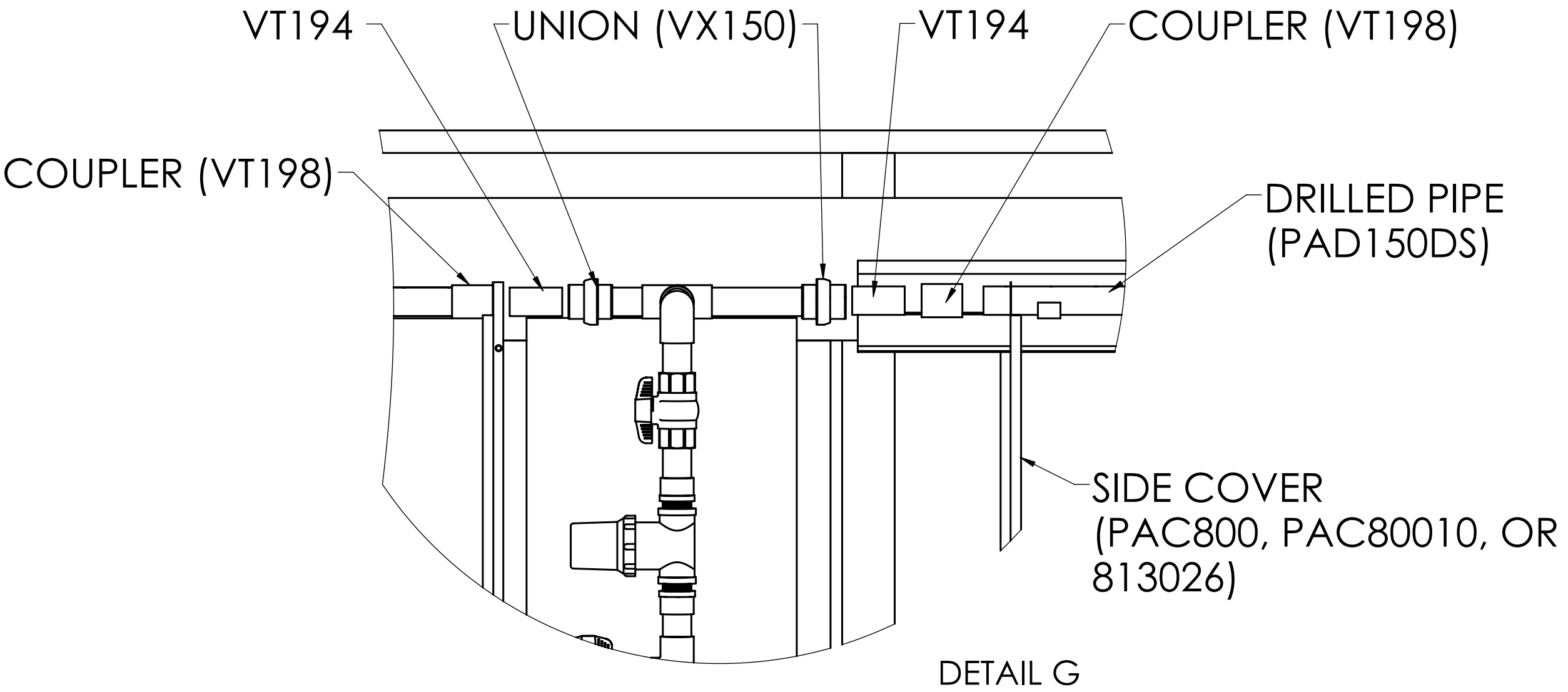
CENTER FED HEADER KIT INSTALLATION

PROCESS IDENTICAL FOR
(FLUSH MOUNT / EXTENDED MOUNT)

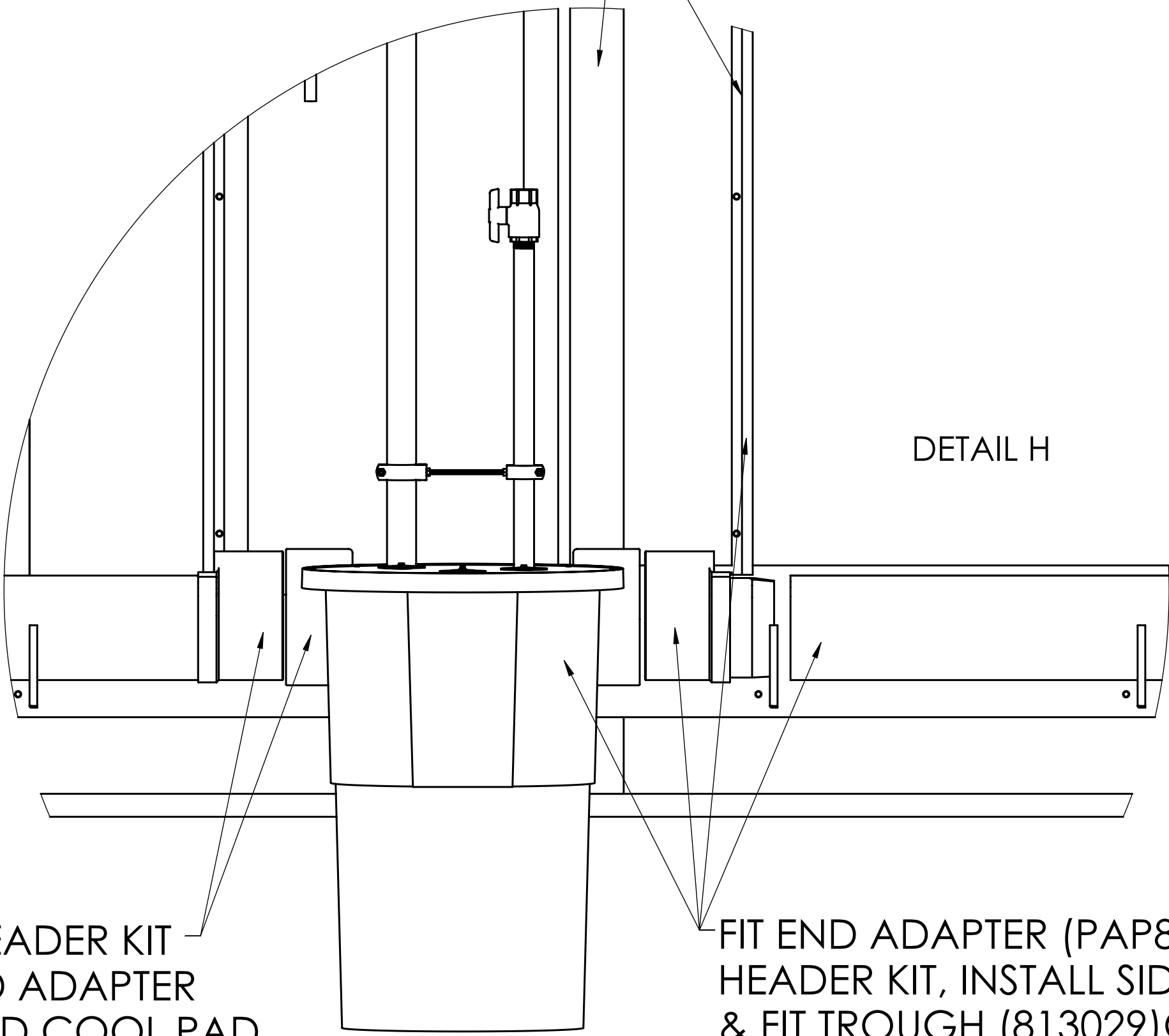
NOTE: WHEN INSTALLING A CENTER FED
SYSTEM, FINISH ASSEMBLING ONE SIDE OF
THE COOLING PAD ARRAY AND LEAVE THE
OTHER SIDE EQUIPPED WITH BRACKETS.
TROUGH AND DRILLED PIPES ONLY.
(AS ILLUSTRATED IN PAGE 2 & 3)



SLIDE TROUGH, DRILLED PIPE
AND COUPLERS AWAY FROM
FINISHED COOL PAD ARRAY
TO MAKE ROOM FOR
CENTER FED HEADER KIT




MOUNT SIDE COVER (PAC800/PAC80010/813026)
ONTO WALL ADJACENT TO HEADER KIT.



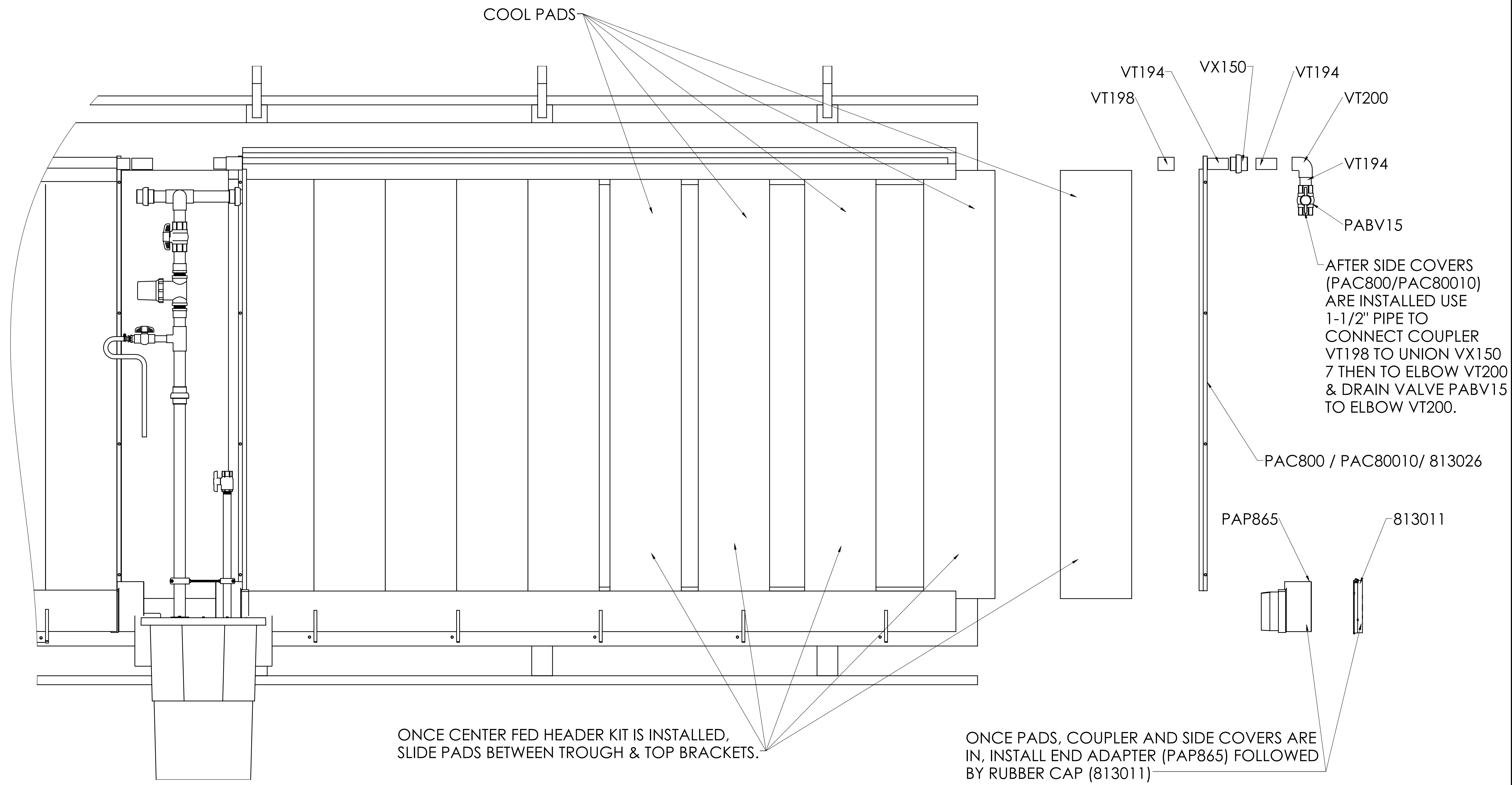
MOUNT HEADER KIT
ONTO END ADAPTER
OF FINISHED COOL PAD

FIT END ADAPTER (PAP865) INTO
HEADER KIT, INSTALL SIDE COVER
& FIT TROUGH (813029) OVER THE
END ADAPTER

NOTE: USE THICK GLUE (VG126 OR VG127)
WHEN JOINING PVC PIPES

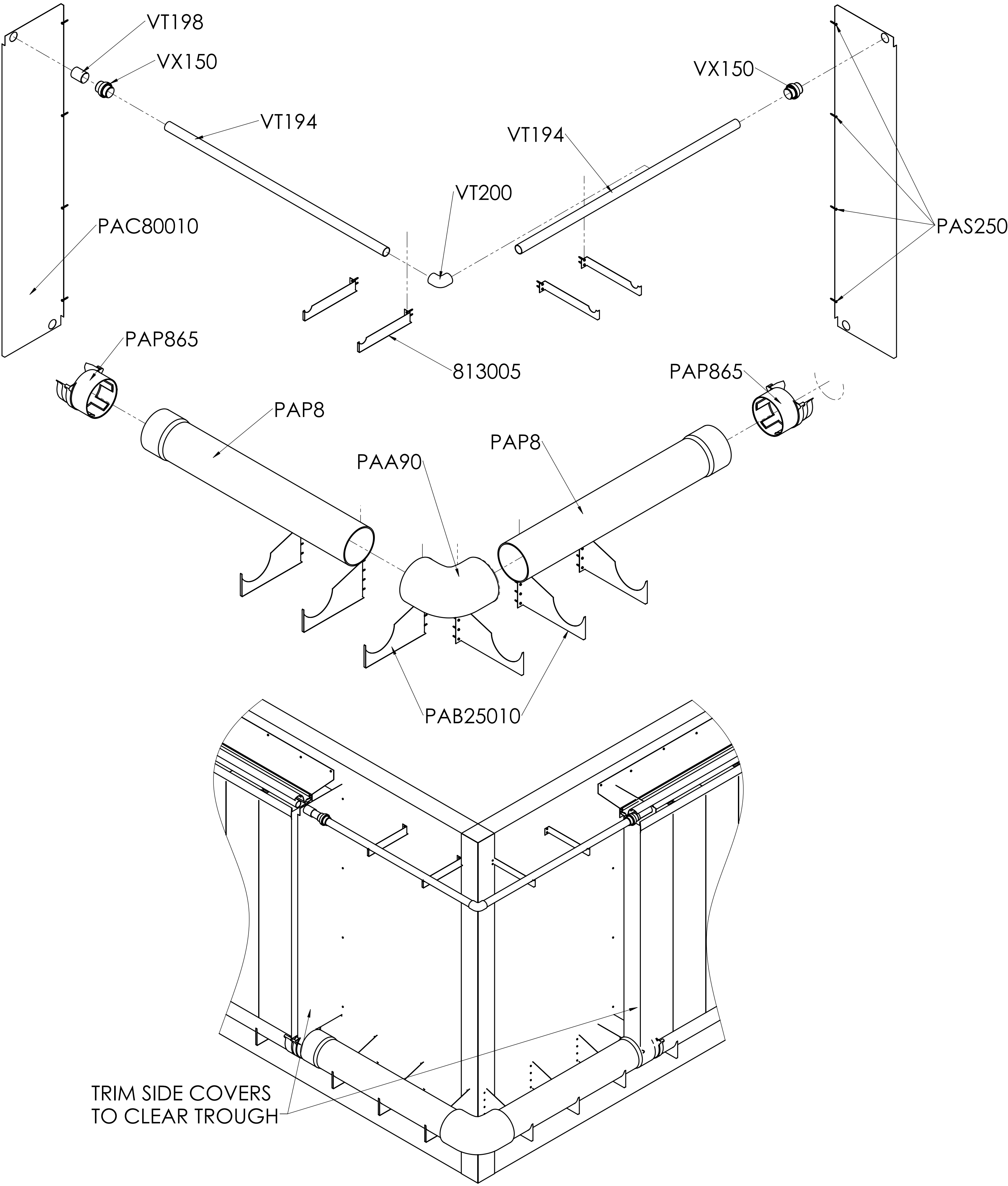
UNSPECIFIED TOLERANCES: 2 PLACE ±.060 3 PLACE ±.030 4 PLACE ±.010 HOLD DIA ±.010 ANGULAR ±.1°		DIMENSIONS ARE IN INCHES DIMENSIONS IN () ARE MILLIMETERS UNLESS OTHERWISE SPECIFIED. DO NOT SCALE		 VALCO INDUSTRIES, INC. PO BOX 8 NEW HOLLAND, PA 17557	
DATE 7/12/21		DRAWN DSB		DESCRIPTION 1 INSTALLATION INSTRUCTIONS	
CHECK -		WEIGHT		DESCRIPTION 2 COOL CELL, BASIN	
SCALE 1:8		SHEET 10 OF 19		990283	
				REV. A	

CENTER FED PAD & SIDE COVER INSTALLATION (FLUSH MOUNT / EXTENDED MOUNT)



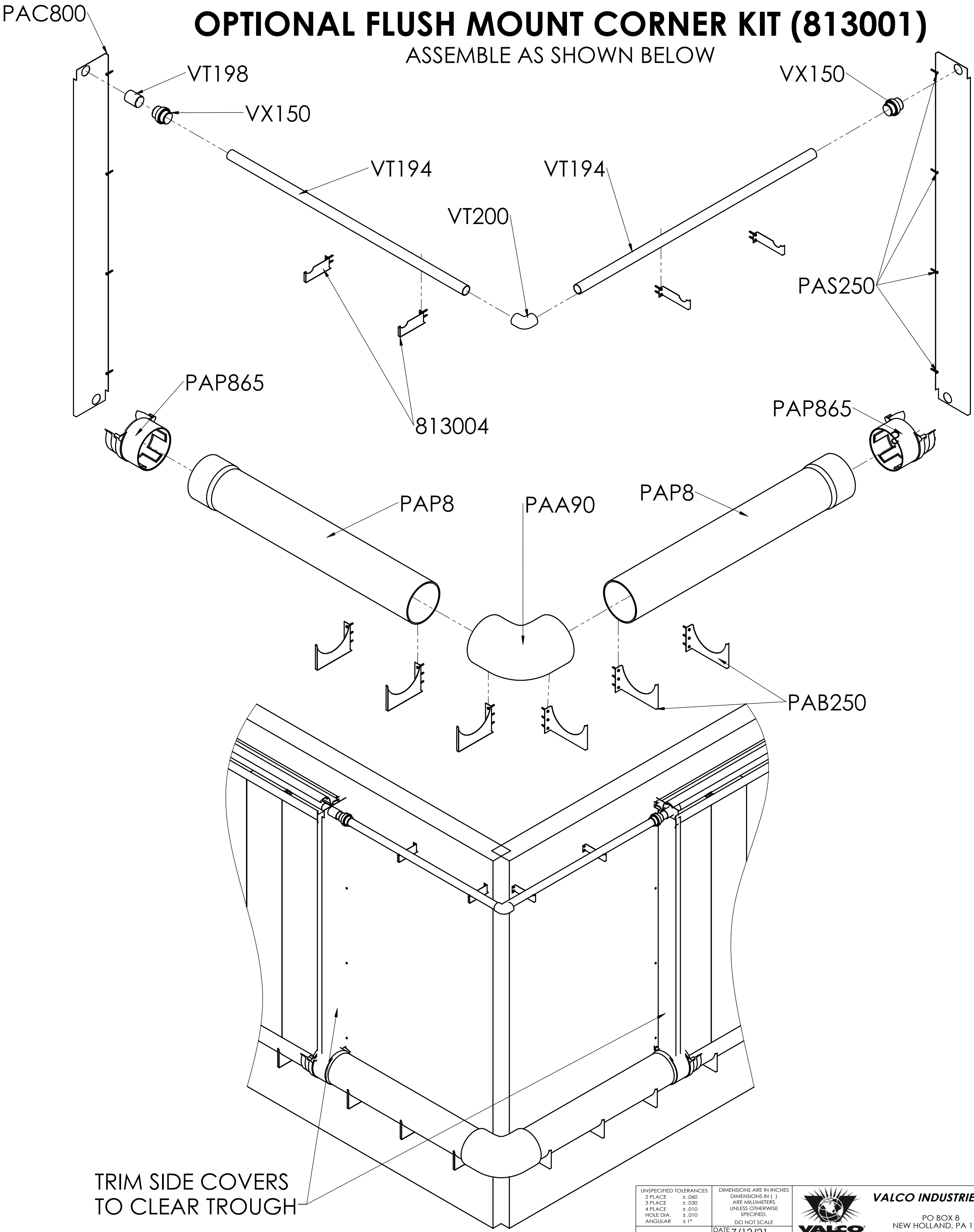
OPTIONAL EXTENDED MOUNT CORNER KIT (813002)


ASSEMBLE AS SHOWN BELOW



OPTIONAL FLUSH MOUNT CORNER KIT (813001)

ASSEMBLE AS SHOWN BELOW



UNSPECIFIED TOLERANCES: 2 PLACE ±.060 3 PLACE ±.030 4 PLACE ±.010 HOLE DIA ±.010 ANGULAR ±1°		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED DO NOT SCALE		 VALCO INDUSTRIES, INC. PO BOX 8 NEW HOLLAND, PA 17557	
DATE 7/12/21		DRAWN DSB		DESCRIPTION 1 INSTALLATION INSTRUCTIONS	
CHECK -		WEIGHT -		DESCRIPTION 2 COOL CELL, BASIN	
SCALE 1:8		SHEET 12 OF 19		990283	REV. A

SYSTEM OPERATION & MAINTENANCE

INITIAL STARTUP:
(NEW PADS NEED MORE TIME TO SATURATE DUE TO SLEEK SURFACES)

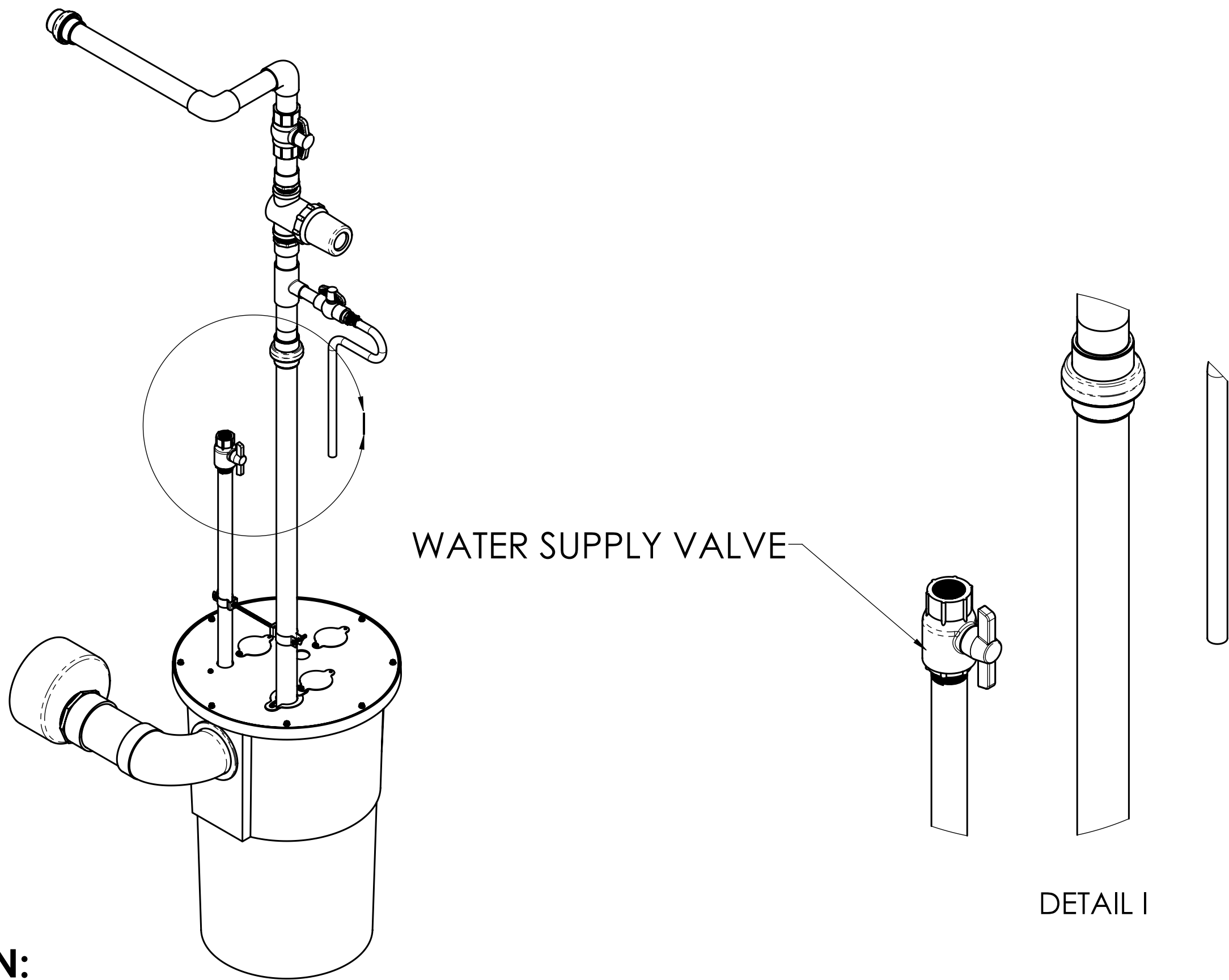
- 1. TURN ON WATER SUPPLY UNTIL STOPPED BY FLOAT VALVE.
- 2. TURN ON PUMP TO RUN WATER OVER THE TOP OF COOL PADS.
- 3. LEAVE SYSTEM RUNNING FOR 48 HRS TO BREAK IN NEW PADS.

IF AFTER THE 48 HR PERIOD DRY STREAKS ARE FOUND ON PAD SURFACE, MAKE SURE WATER IS EVENLY DISTRIBUTED THROUGH DRILLED HEADER PIPE BY UNCLOGGING DRILLED HOLES WITH A 1/8" DRILL BIT.

NOTE: IF THE WATER LEVEL IN THE RESERVOIR IS TOO HIGH, THE BOTTOM OF THE PAD WILL BE WATERLOGGED AND WILL BREAK DOWN PREMATURELY. (SEE SHEET 9 FOR ADJUSTING WATER LEVEL)

WATER BLEED-OFF:
TO LIMIT ACCUMULATION OF MINERAL BUILD UP IN THE SYSTEM AS WATER IS BEING EVAPORATED, IT IS IMPORTANT TO REPLACE THE WATER IN THE RESERVOIR AT REGULAR INTERVALS.

OPTION 1: REPLACE ALL THE WATER IN THE SYSTEM ONCE A WEEK (SEE SHEET 15 - WINTERIZING FOR DETAILS)
OPTION 2: DRAIN WATER DURING NORMAL OPERATIONS AT .25 GPM/100 SQUARE FOOTAGE OF COOLPAD DEPENDING ON THE AMOUNT OF BUILD UP. PULL OUT BYPASS HOSE AND TURN THE BYPASS VALVE SLIGHTLY OR OPEN THE VALUE AT THE END OF THE SYSTEM SLIGHTLY.



NORMAL OPERATION:

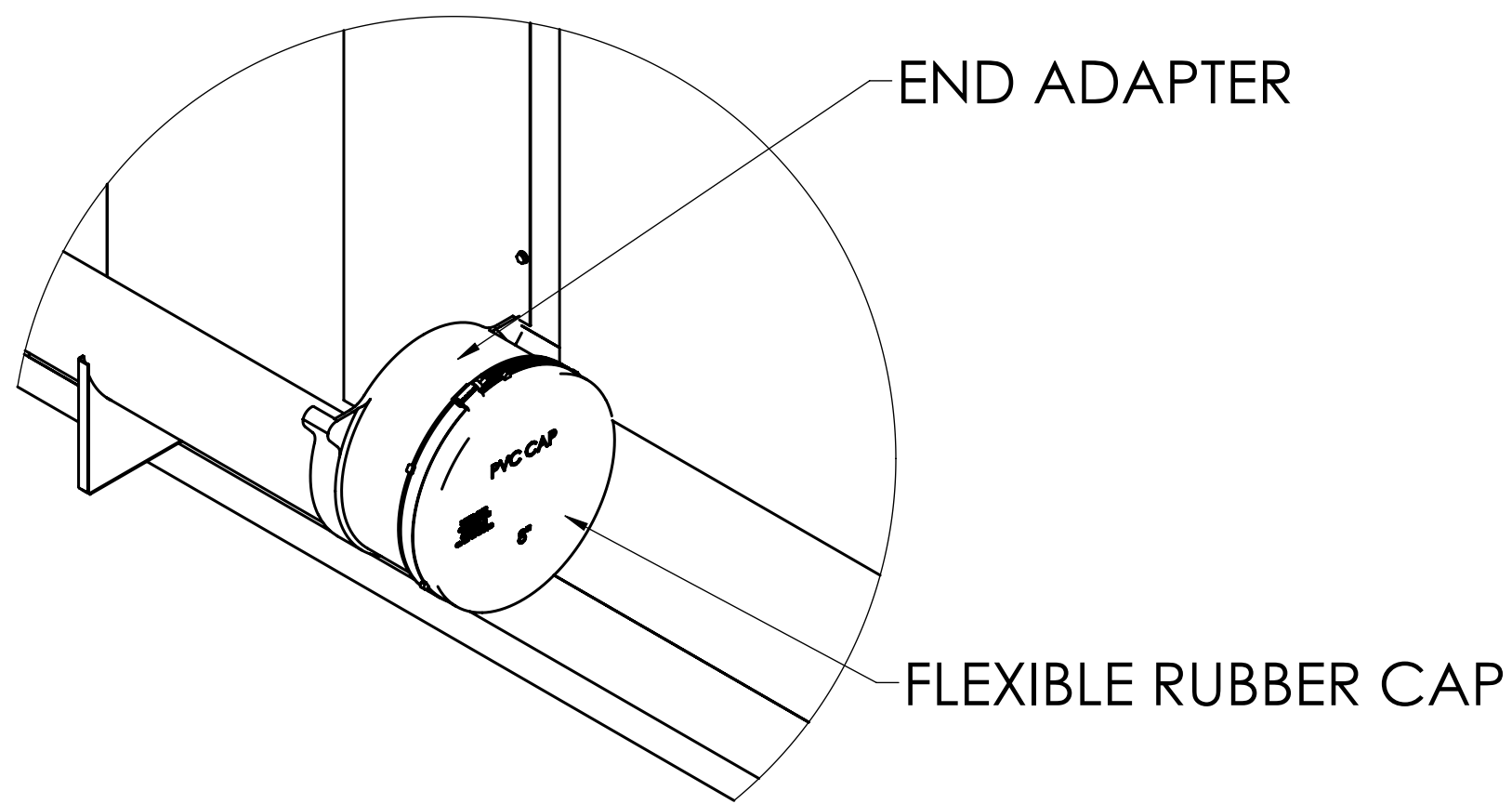
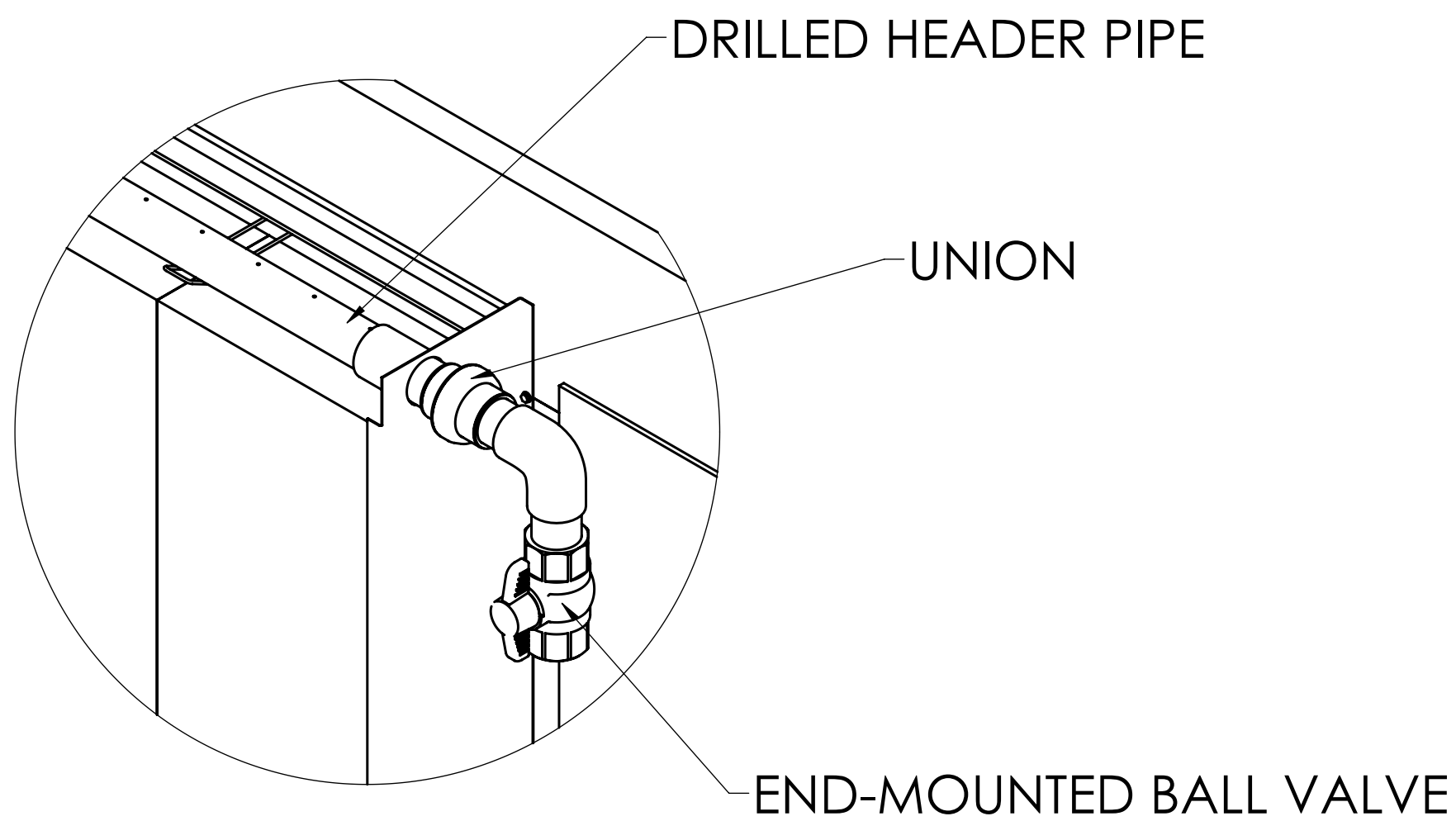
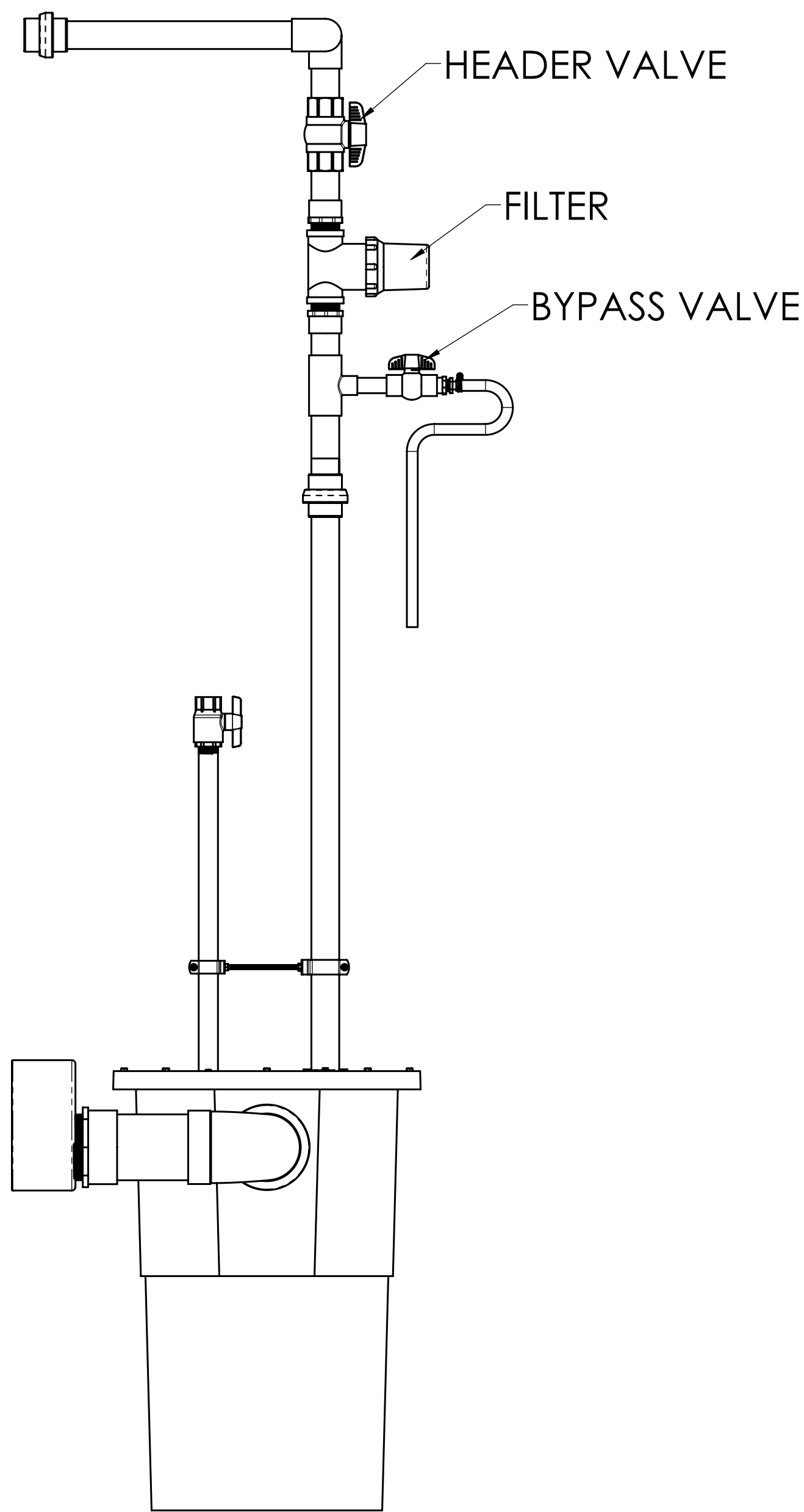
- 1. FOLLOW INITIAL STARTUP PROCEDURE.
- 2. TO CONTROL THE VOLUME OF WATER BEING PUMPED OVER THE COOL PADS, PLACE BYPASS HOSE INTO HEADER TANK AND ADJUST THE BYPASS VALVE.

*IF WATER IS SPRAYING INTO BUILDING, EITHER ADJUST BYPASS VALVE OR ROTATE DRILLED HEADER PIPE (PAP150DS) SLIGHTLY INTO AIRFLOW.
- 3. ALLOW THE PADS TO DRY OUT COMPLETELY ONCE EVERY 24 HRS TO ENTEND THEIR LIFE.
- 4. MAINTAIN WATER PH LEVEL BETWEEN 6 AND 8.
- 5. EVAPORATION RATE = (AREA OF PAD IN SQ. FT. * AVG. AIR SPEED THROUGH THE PAD IN FT/MIN * AVG. TEMP. DROP ACROSS THE PAD IN °F) / 500,000

SYSTEM OPERATION & MAINTENANCE (CONT.)

WINTERIZING:
(PREPARING COOL PAD SYSTEM FOR WINTER)

- 1. SHUT OFF PUMP AND WATER SUPPLY. LET WATER DRAIN INTO TROUGH AND SUMP.
- 2. OPEN END-MOUNTED BALL VALVES TO DRAIN LEFTOVER WATER IN HEADER PIPE.
- 3. CLOSE BALL VALVE ABOVE WATER FILTER, OPEN BYPASS VALVE, PULL BYPASS HOSE OUT OF SUMP AND TURN ON PUMP. (THIS WILL PUMP ALL THE WATER OUT OF THE SYSTEM)
- 4. LEAVE ALL FITTINGS OPEN TO PREVENT THEM FROM BURSTING IN FREEZING TEMPERATURES.
- 5. STORE PUMP IN AREA THAT WILL NOT FREEZE.



CLEANING THE SYSTEM:

- 1. DRAIN THE ENTIRE SYSTEM (FOLLOW WINTERIZING PROCESS)
- 2. OPEN FILTER COVER AND CLEAN/REPLACE FILTER.
- 3. GENTLY HOSE AND BRUSH ALGAE AND DEPOSITED MINERALS OFF PAD. (IF EXCESSIVE ALGAE, CONSIDER WATER TREATMENT OPTIONS)
- 4. REMOVE UNION MOUNTED TO DRILLED HEADER PIPES. CLEAN INSIDE OF HEADER PIPE USING A LONG BRUSH AND RINSE WITH HOSE. MOUNT UNION BACK ONTO DRILLED HEADER PIPES.
- 5. REMOVE FLEXIBLE RUBBER CAPS INSTALLED ON THE END ADAPTERS. CLEAN TROUGH USING A LONG BRUSH AND RINSE OUT WITH HOSE. REINSTALL FLEXIBLE RUBBER CAPS AND RESUME NORMAL OPERATION.

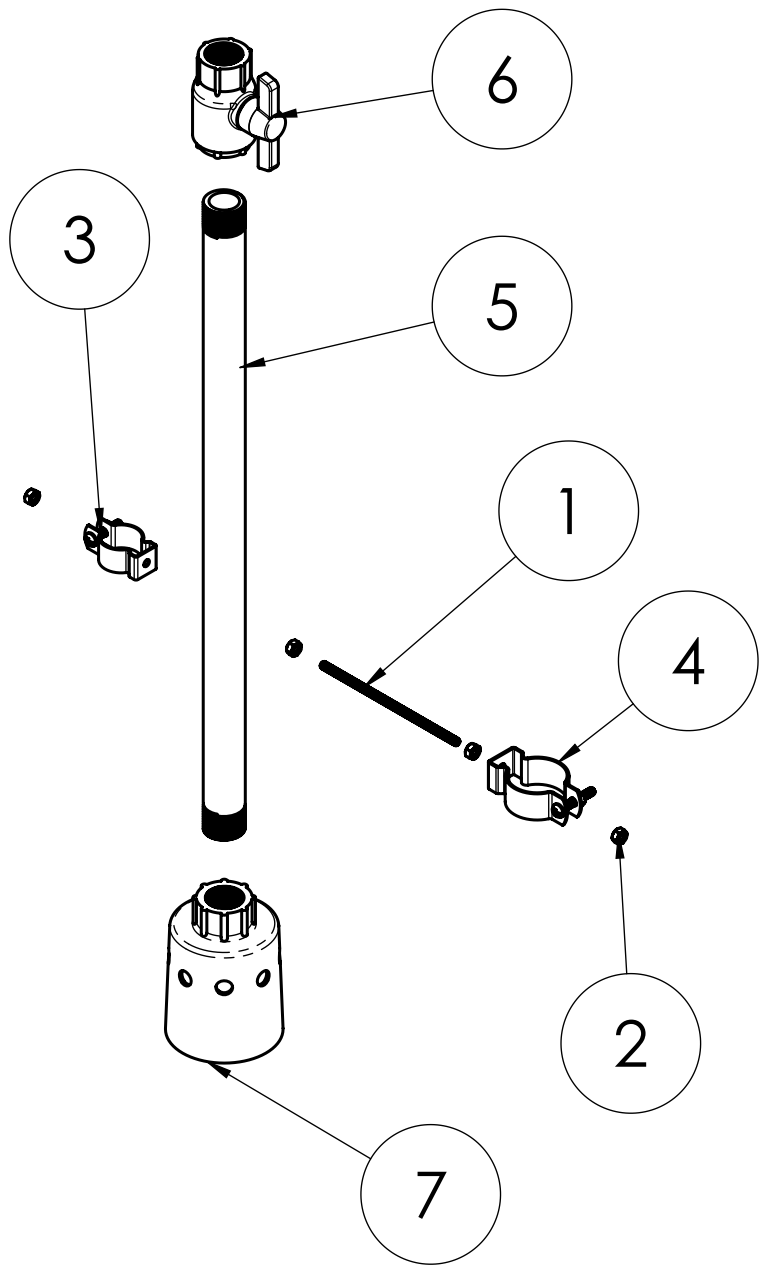
BILL OF MATERIALS

ITEM #	PART #	QTY	DESCRIPTION
1	813033	1	BASIN, PLASTIC, 18" X 30"
2	813035	1	COVER, BASIN, 18"
3	813030	1	ADAPTER, PVC, 4", SOCKET, MPT
4	813031	1	ELBOW, PVC, 4", STREET, DWV
5	813032	1	CAP, ADAPTER, PVC, 8" X 4"
6	813036	1	SEAL, PIPE, FLEXIBLE, 4"
7	412552	1	TUBE, WEIGHT, 4.50 X 8.38, PVC
8	813023	1	3/4" PLAIN PVC PIPE (3" LG)
9	PABV15	1	1-1/2" PVC BALL VALVE
10	PAF200	1	LINE FILTER FOR RECIRCULATING 6" PAD SYSTEM
11	PAT340	1	1 1/2" X 1 1/2" X 3/4" SXSXS
12	VT107	1	3/4" MALE SLIP X 1/2" FPT PVC
13	VT200	2	1 1/2" 90 DEGREE PVC ELL
14	VX150	2	1 1/2" PVC UNION
15	VV801	1	3/4" BALL VALVE SCHEDULE 80
16	VRP71	1	1/2" THREADED MALE HOSE CONNECTOR (1/2" BARB)
17	VRP500	1	1/2" HOSE CLAMP (USE W/ VRP77)
18	VRP77	3	1/2" ID YELLOW PVC DROP HOSE
19	SEE CHART	1	SUBMERSIBLE PUMP
20	SEE CHART	1	REDUCING MALE ADAPTER
21	VT194	1	1 1/2" PLAIN PVC PIPE (10 FT.)
22	PAA15	2	1 1/2" PVC MALE ADAPTER
23	813061	3	INLET COVER, PIPE
24	813063	2	GAP COVER, PIPE

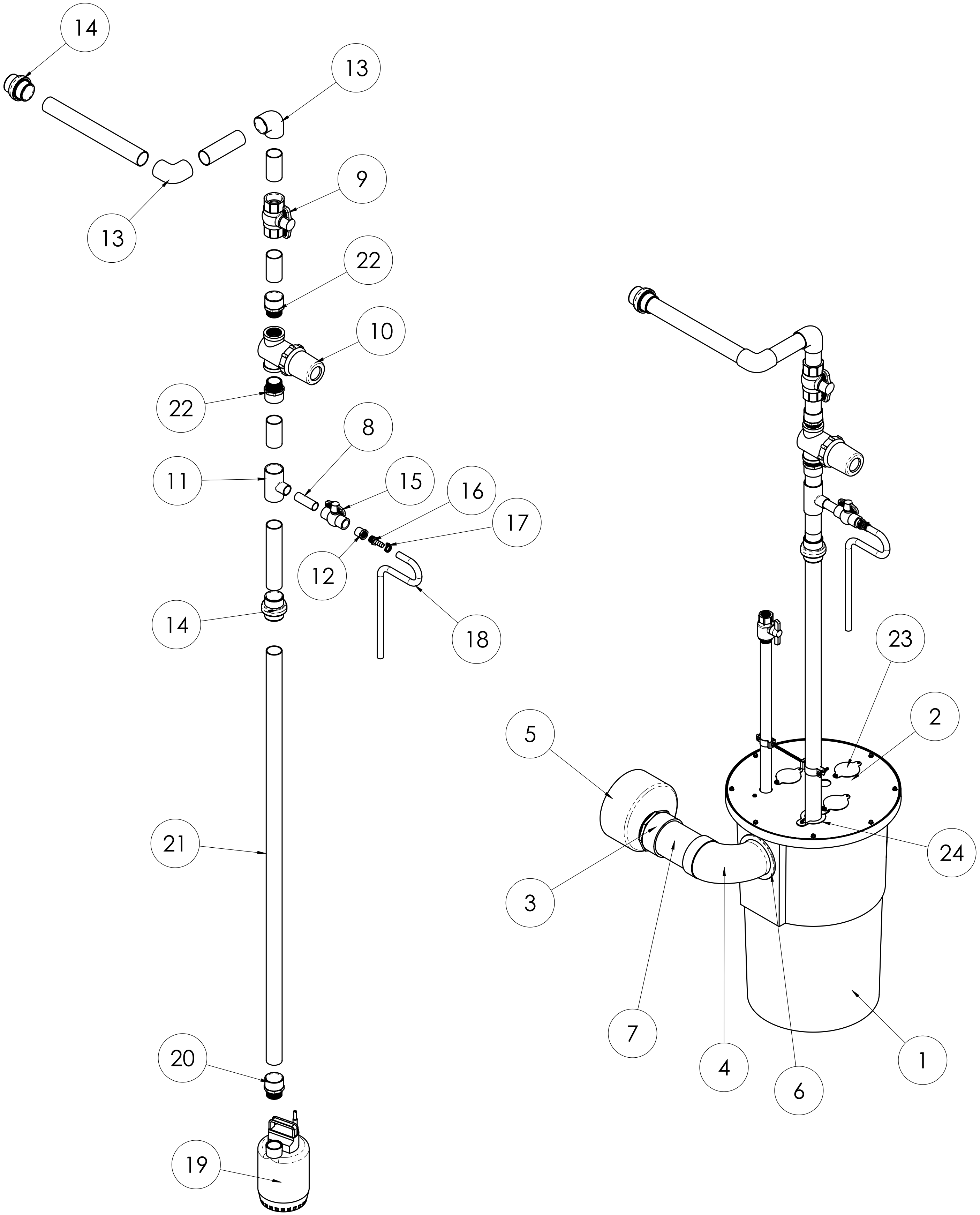
ITEM #	ASSEMBLY PART NUMBER		
	813049	813041	813045
19	PAP30	PAP60	PAP60-50
20	PAA15	PAA15	PAA16

REPAIR PARTS: FLOAT KIT

BILL OF MATERIALS (813055) FLOAT KIT, WATER INLET			
ITEM #	PART #	QTY	DESCRIPTION
1	011230	1	STUD, 1/4-20 X 6", 316 SS
2	012679	4	NUT, HEX, 1/4-20
3	813053	1	CLAMP, PIPE, 1-5/16", SS
4	813054	1	CLAMP, PIPE, 1-7/8", SS
5	820000	1	NIPPLE, 1" X 24" LONG MNPT
6	820001	1	BALL VALVE, 1" FNPT
7	PAF150HF	1	FLOAT VALVE, 1" FNPT



REPAIR PARTS: END-FED HEADER KIT

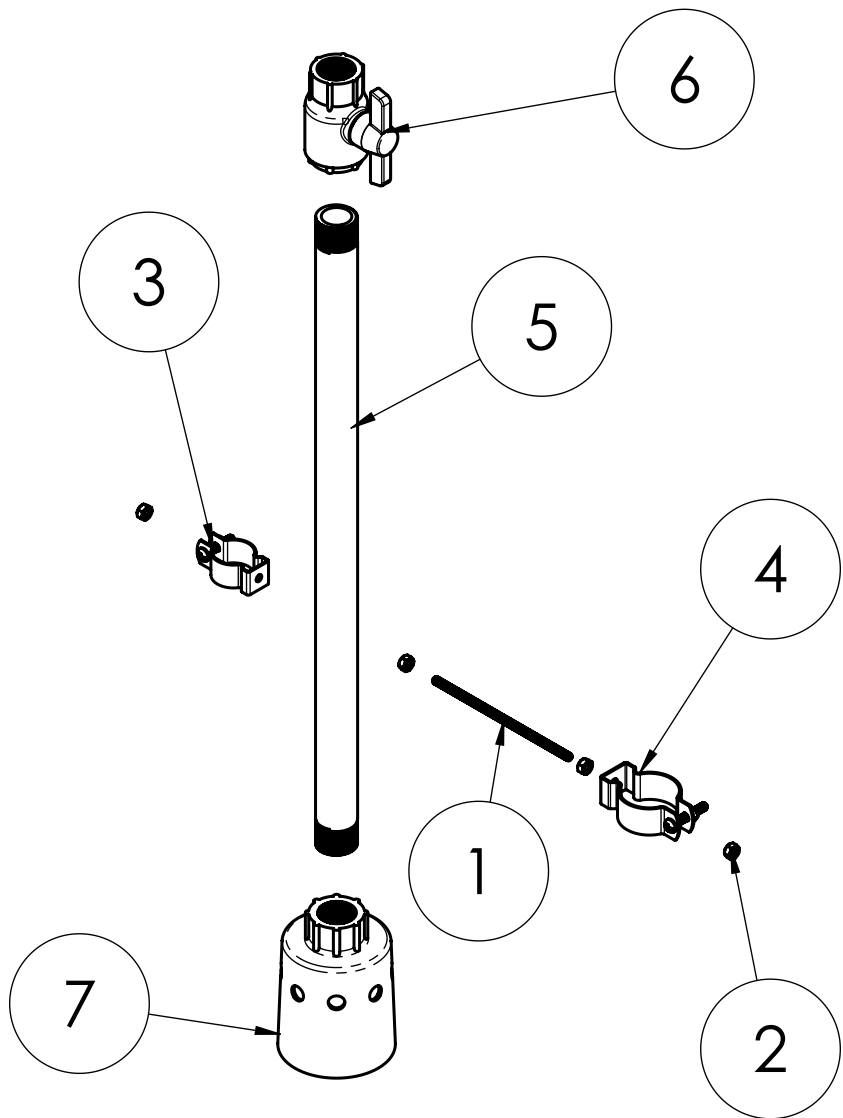


BILL OF MATERIALS (CENTER FED HEADER KIT)			
ITEM #	PART #	QTY	DESCRIPTION
1	813033	1	BASIN, PLASTIC, 18" X 30"
2	813035	1	COVER, BASIN, 18"
3	813030	2	ADAPTER, PVC, 4", SOCKET, MPT
4	813039	1	TEE, PVC, 4", SOCKET
5	813032	2	CAP, ADAPTER, PVC, 8" X 4"
6	813036	1	SEAL, PIPE, FLEXIBLE, 4"
7	412552	3	TUBE, WEIGHT, 4.50 X 8.38, PVC
8	813023	1	3/4" PLAIN PVC PIPE (3" LG)
9	PAA15	2	1 1/2" PVC MALE ADAPTER
10	PABV15	1	1-1/2" PVC BALL VALVE
11	PAF200	1	LINE FILTER FOR RECIRCULATING 6" PAD SYSTEM
12	PAT340	1	1 1/2" X 1 1/2" X 3/4" SXSXS
13	VRP71	1	1/2" THREADED MALE HOSE CONNECTOR (1/2" BARB)
14	VRP77	3	1/2" ID YELLOW PVC DROP HOSE
15	VRP500	1	1/2" HOSE CLAMP (USE W/ VRP77)
16	VT107	1	3/4" MALE SLIP X 1/2" FPT PVC
17	VT199	1	1 1/2" PVC TEE
18	VT200	1	1 1/2" 90 DEGREE PVC ELL
19	VV801	1	3/4" BALL VALVE SCHEDULE 80
20	VX150	3	1 1/2" PVC UNION
21	ZB1401	1	BAG, 4X6X4MIL, RECLOSABLE
22	VT194	1	1 1/2" PLAIN PVC PIPE (10 FT.)
23	SEE CHART	1	REDUCING MALE ADAPTER
24	SEE CHART	1	SUBMERSIBLE PUMP
25	813061	3	INLET COVER, PIPE
26	813063	2	GAP COVER, PIPE

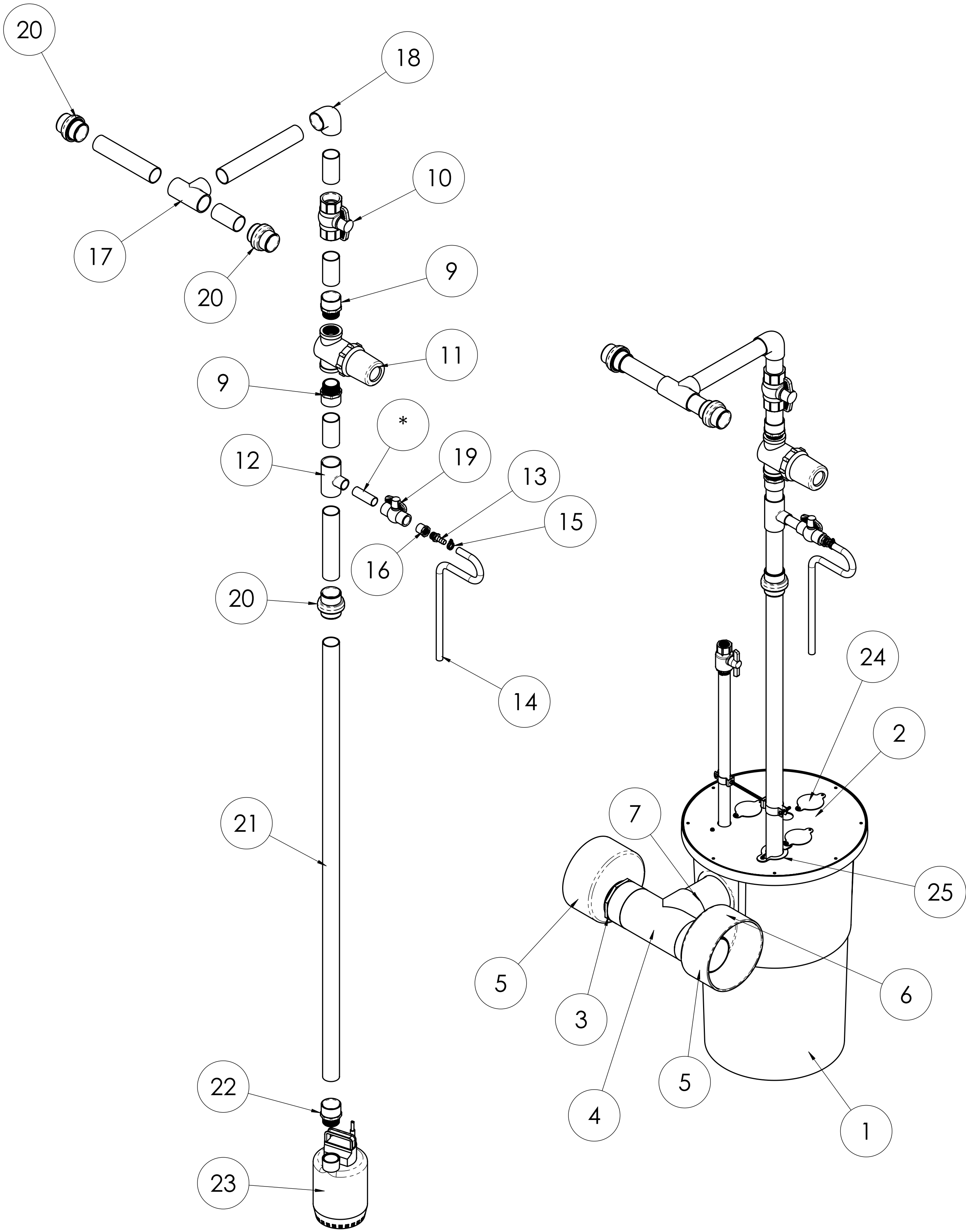
ITEM #	ASSEMBLY PART NUMBERS	
	813043	813047
22	PAA15	PAA16
23	PAP60	PAP60-50

REPAIT PARTS: FLOAT KIT

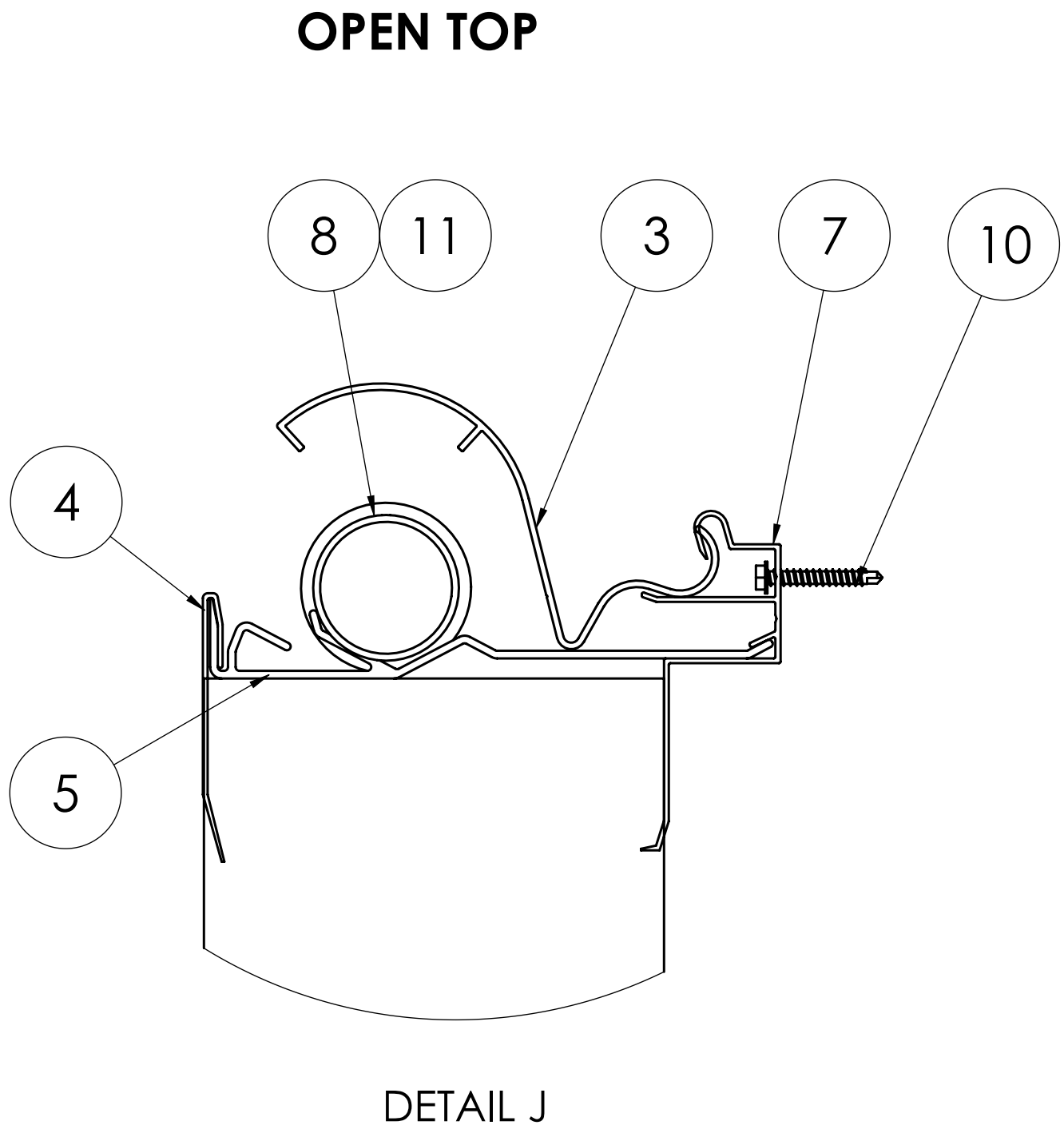
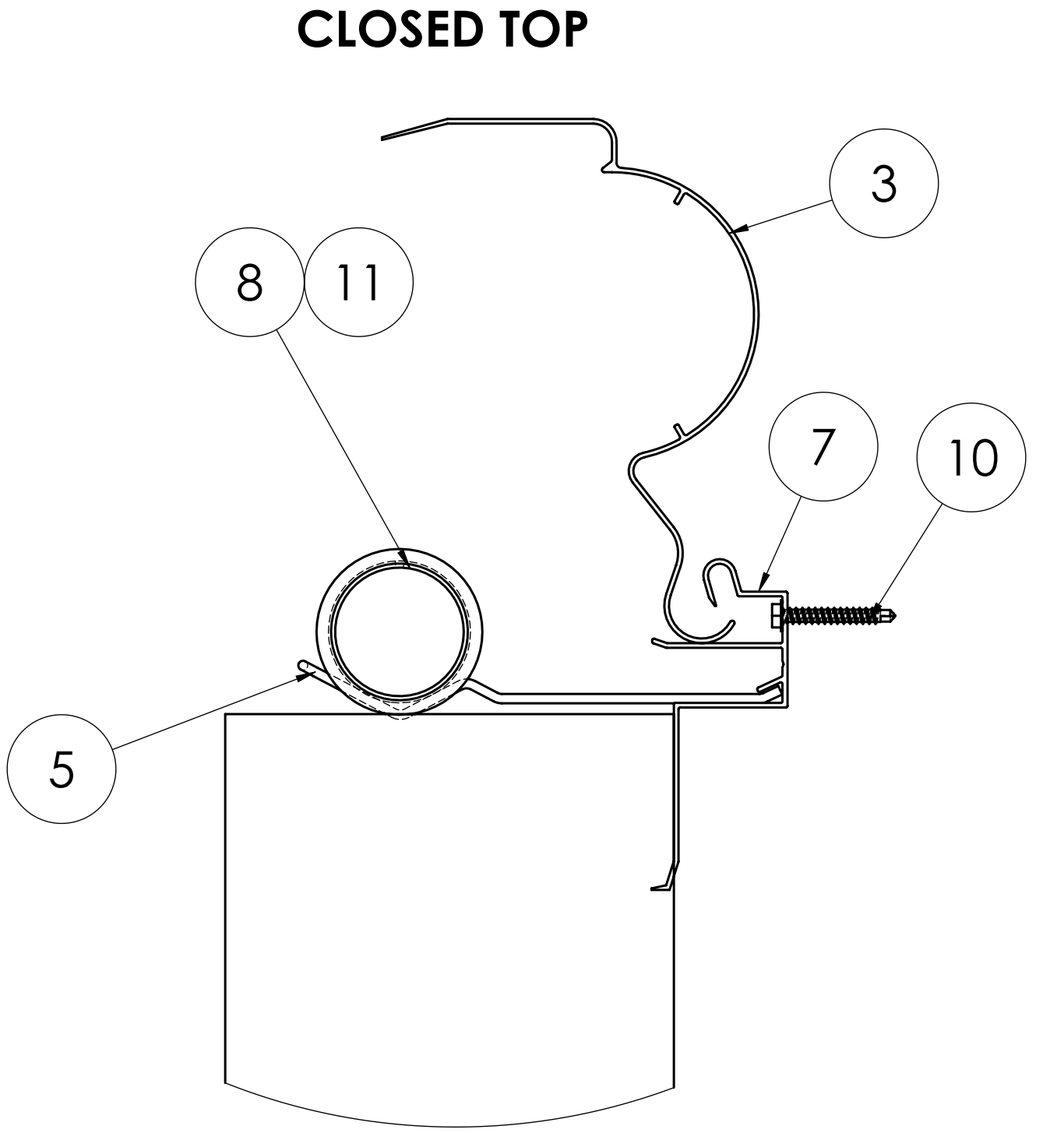
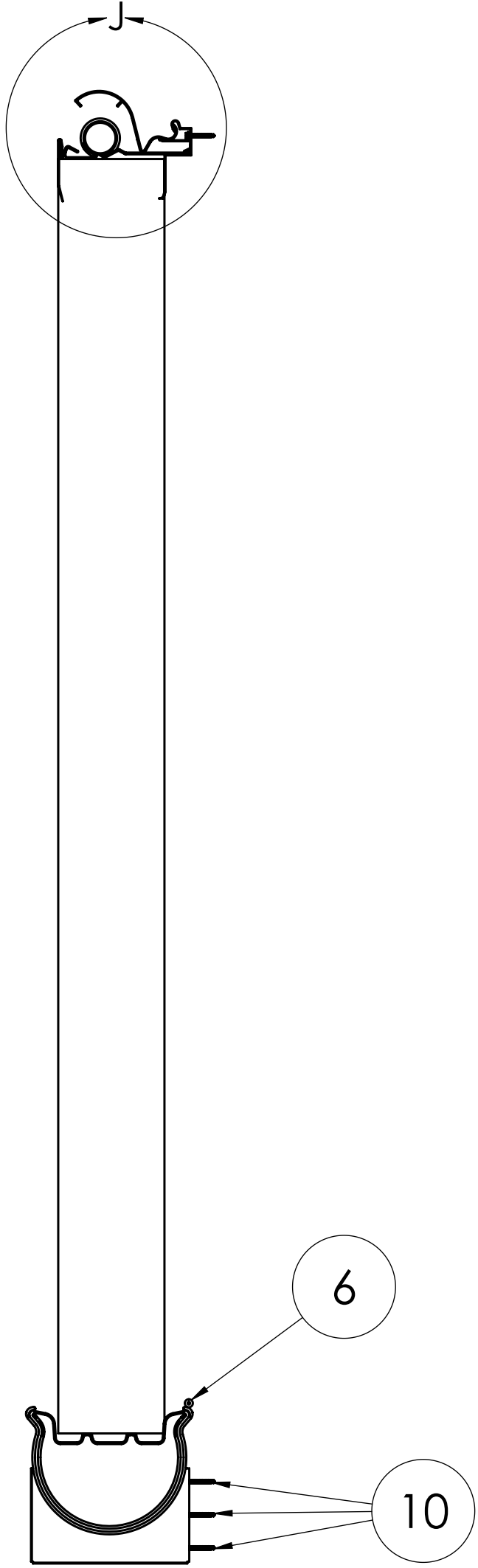
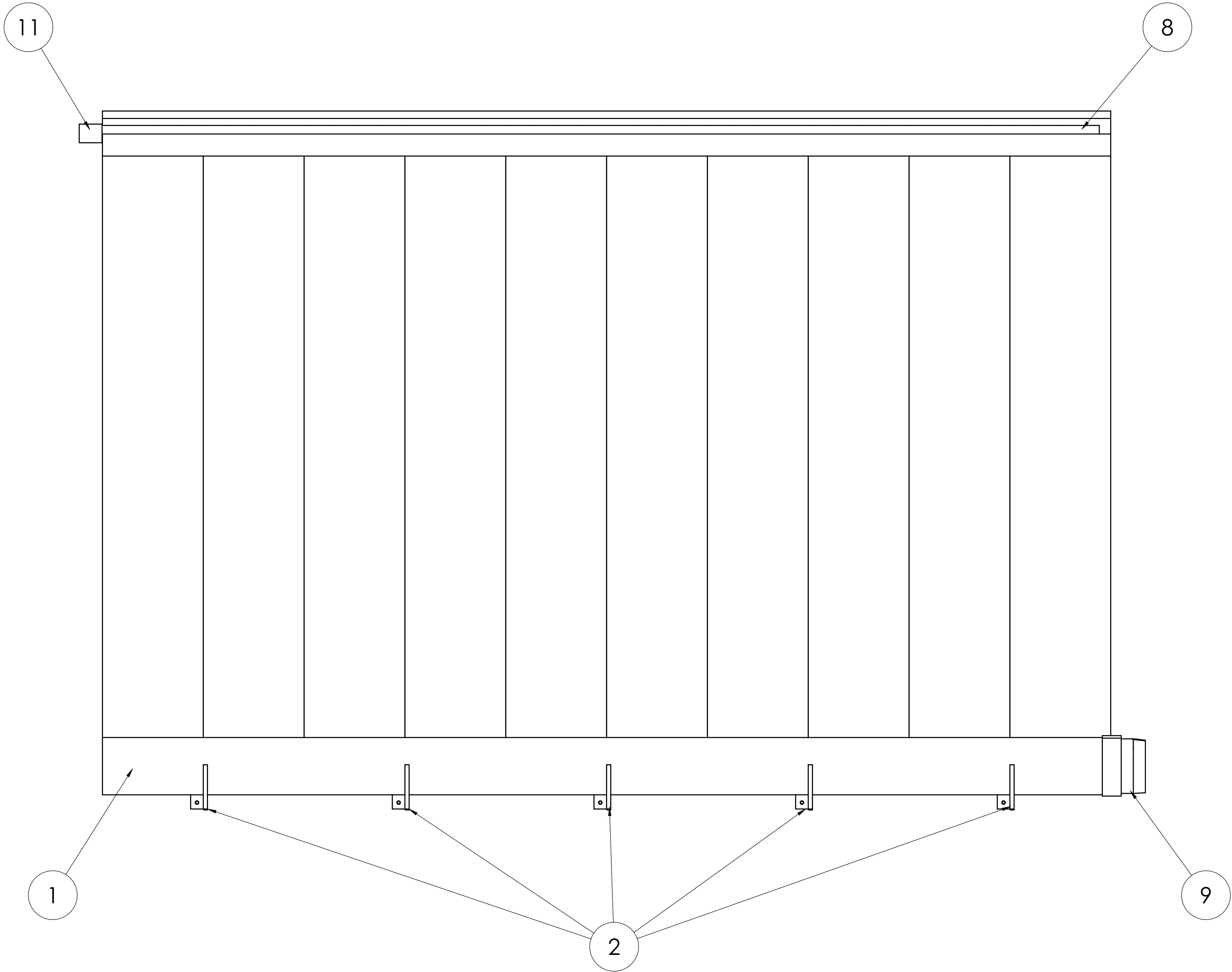
BILL OF MATERIALS (813055) FLOAT KIT, WATER INLET			
ITEM #	PART #	QTY	DESCRIPTION
1	011230	1	STUD, 1/4-20 X 6", 316 SS
2	012679	4	NUT, HEX, 1/4-20
3	813053	1	CLAMP, PIPE, 1-5/16", SS
4	813054	1	CLAMP, PIPE, 1-7/8", SS
5	820000	1	NIPPLE, 1" X 24" LONG MNPT
6	820001	1	BALL VALVE, 1" FNPT
7	PAF150HF	1	FLOAT VALVE, 1" FNPT



REPAIR PARTS: CENTER-FED HEADER KIT

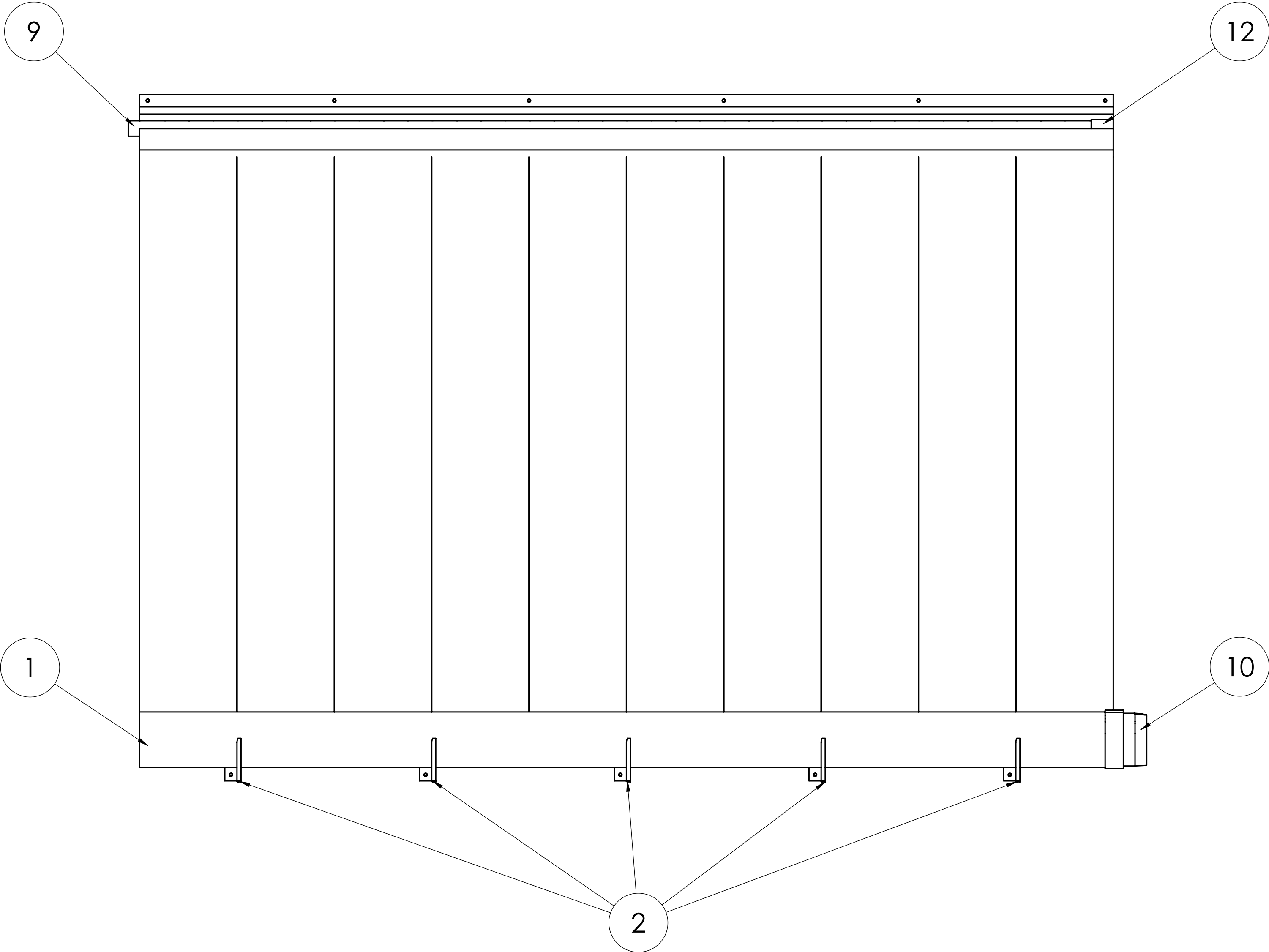


BILL OF MATERIALS (OPEN TOP PAK610EZO / CLOSED TOP PAK610EZ)				
ITEM #	OPEN TOP PT #	CLOSED TOP PT #	QTY	DESCRIPTION
1	813029	813029	1	TROUGH, COOL PAD, 10', STD
2	PAB250	PAB250	5	PIPE BRACKET FOR 6" RECIRCULATING SYSTEM - 8" PIPE
3	PAC607	813008	1	TOP ALUMINUM PAD COVER
4	PAC608	-	1	OPEN TOP PAD RETAINER 120" LONG
5	PAC609	PAB700	5	TOP PIPE BRACKET 1-1/2" LONG
6	PACROD	PACROD	1	SEAL BETWEEN TROUGH AND WALL (10 FT)
7	PAE500	PAE500	1	ALUM TOP EXTRUSION FOR
8	PAP150DS	PAP150DS	1	1 1/2" PVC(10')W/ 7/64" HOLE
9	PAP860	PAP860	1	COUPLER FOR PAP800WT
10	PAS250	PAS250	20	#12 x 1 1/2" SELF-DRILLING
11	VT198	VT198	1	1 1/2" PVC COUPLER

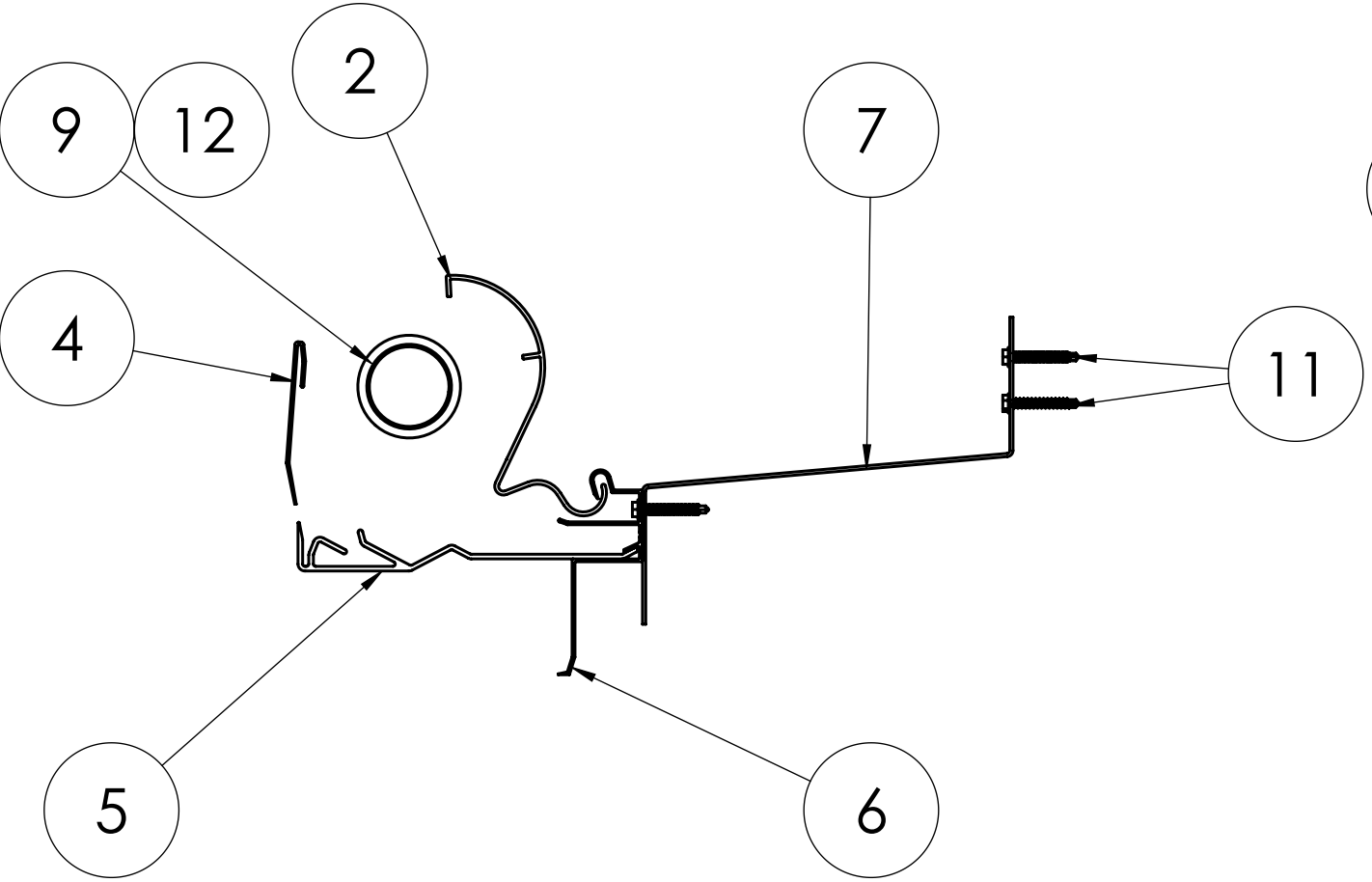


DETAIL J

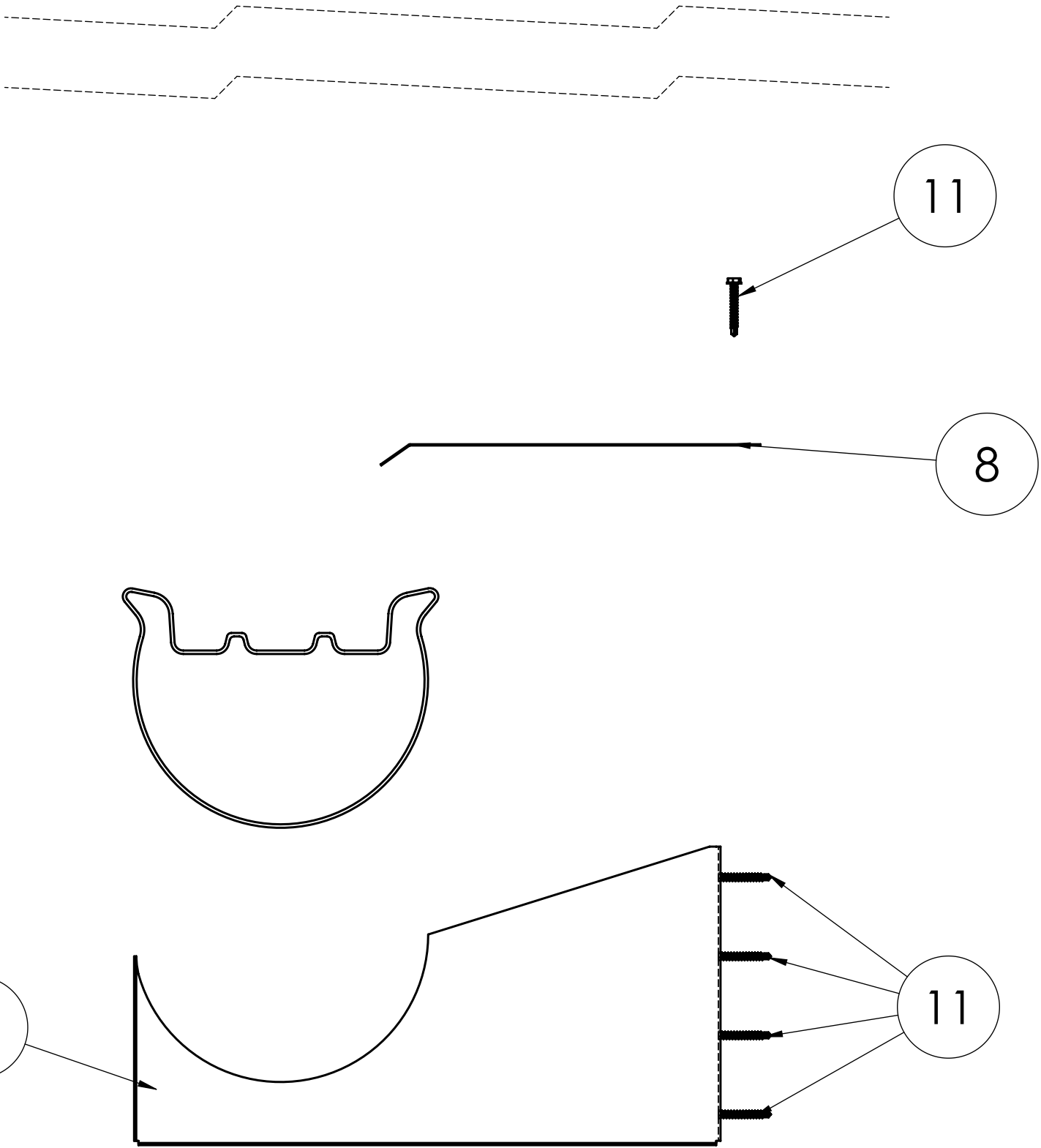
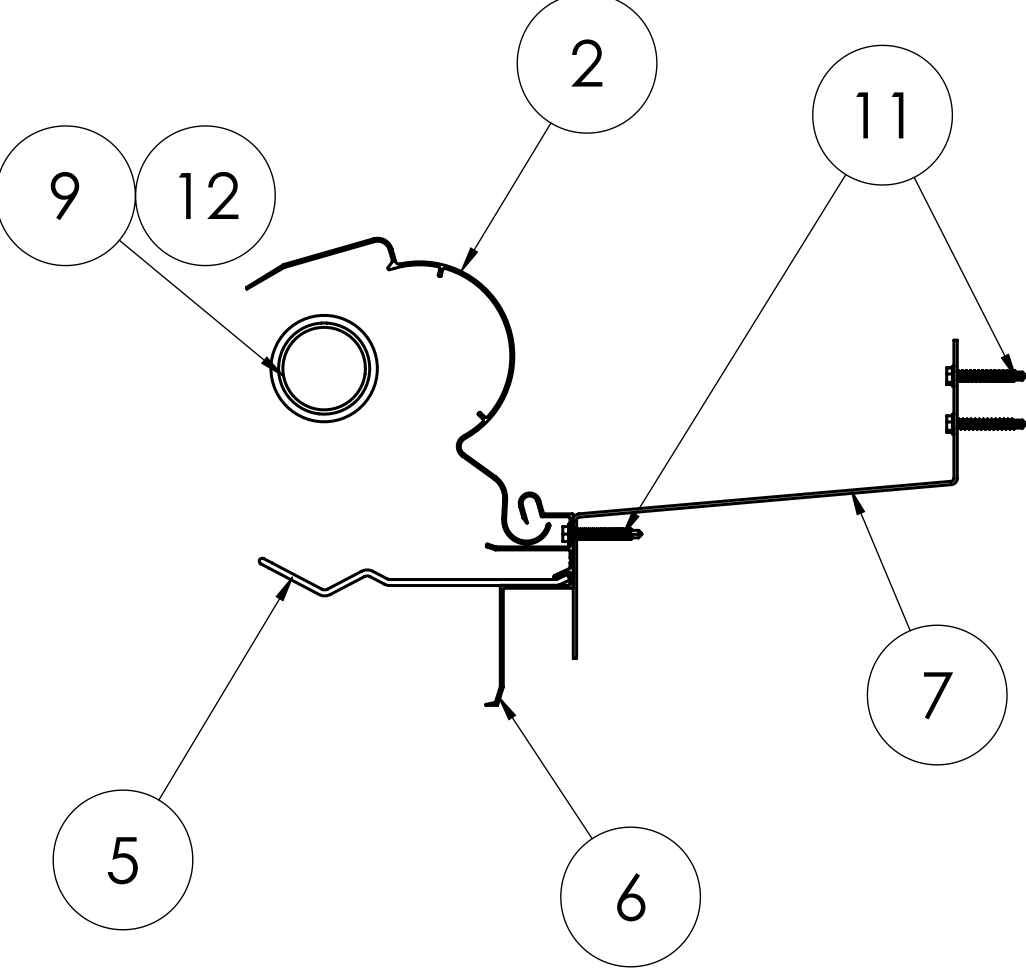
BILL OF MATERIALS (OPEN TOP PAK610EZO-E / CLOSED TOP PAK610EZ-E)				
ITEM #	OPEN TOP PART #	CLOSED TOP PART #	QTY	DESCRIPTION
1	813029	813029	1	TROUGH, COOL PAD, 10', STD
2	PAB25010	PAB25010	5	PIPE BRACKET FOR EXTENDED 6"
2	PAC607	813008	1	OPEN TOP ALUMINUM PAD COVER
4	PAC608	-	1	OPEN TOP PAD RETAINER 120" LONG
5	PAC609	PAB700	5	OPEN TOP PIPE BRACKET 1-1/2" LONG
6	PAE500	PAE500	1	ALUM TOP EXTRUSION FOR
7	PAEA17510	PAEA17510	1	8" EXTENDED TOP ADAPTER PLATE
8	PAEZEXT	PAEZEXT	1	EXTENDER PLATE FOR EZ TROUGH
9	PAP150DS	PAP150DS	1	1 1/2" PVC(10')W/ 7/64" HOLE
10	PAP860	PAP860	1	COUPLER FOR PAP800WT
11	PAS250	PAS250	53	#12 x 1 1/2" SELF-DRILLING
12	VT198	VT198	1	1 1/2" PVC COUPLER



OPEN TOP



CLOSED TOP



EXPLODED SIDE VIEW

UNSPECIFIED TOLERANCES:
2 PLACE ±.060
3 PLACE ±.030
4 PLACE ±.010
HOLE DIA ±.010
ANGULAR ±1°

DO NOT SCALE

DIMENSIONS ARE IN INCHES
DIMENSIONS IN ()
ARE MILLIMETERS
UNLESS OTHERWISE
SPECIFIED.


DATE 7/12/21

DRAWN DSB

CHECK -

WEIGHT

SCALE 1:8



VALCO INDUSTRIES, INC.
PO BOX 8
NEW HOLLAND, PA 17557

DESCRIPTION 1
INSTALLATION INSTRUCTIONS

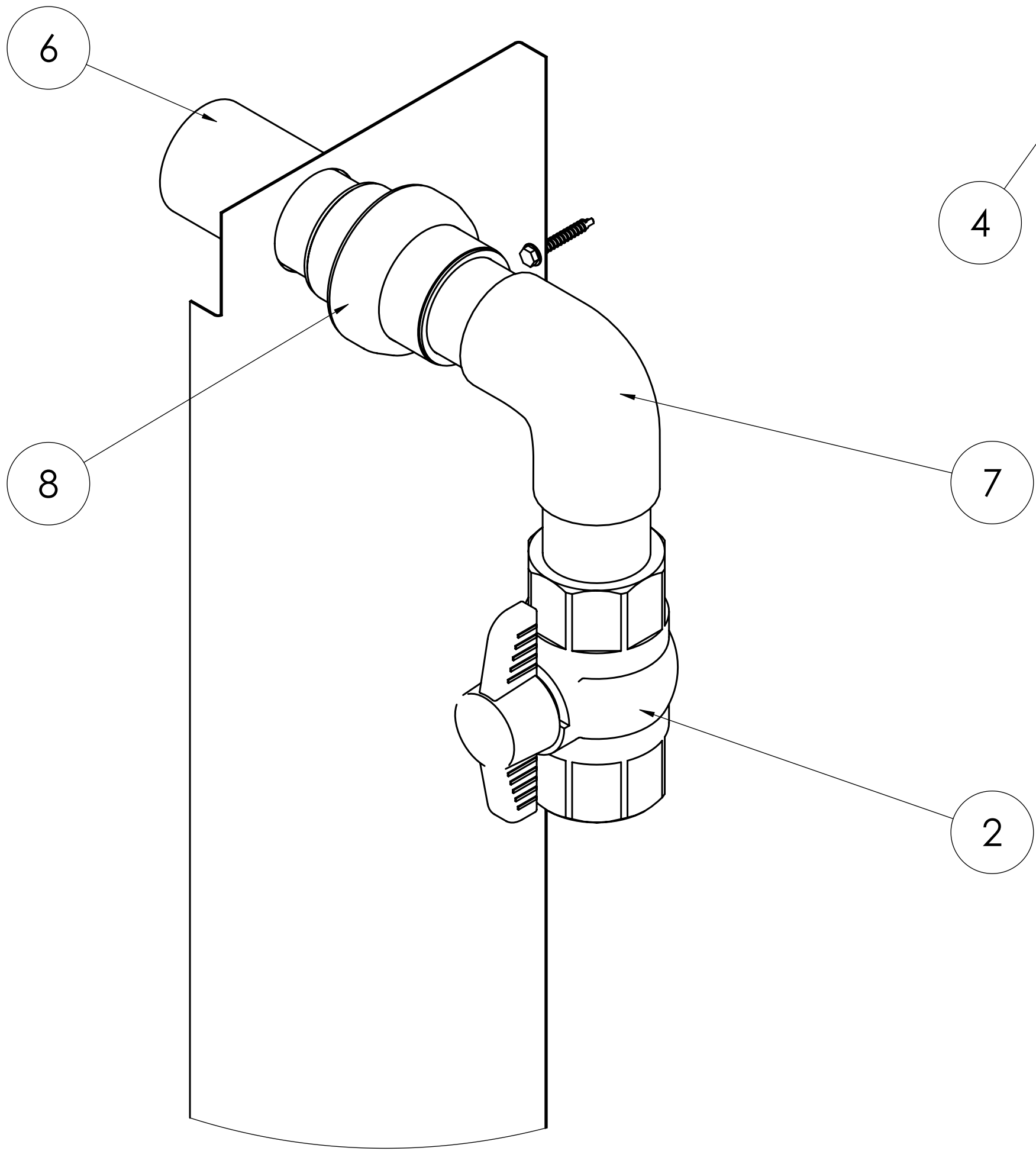
DESCRIPTION 2
COOL CELL, BASIN

SHEET 18 OF 19

990283

REV.
A

BILL OF MATERIALS (PAEC6/PAEC6-E/813025))					
ITEM #	FLUSH MOUNT PART #	EXTENDED MOUNT PART #	FLUSH MOUNT (2 M TALL) PART #	QTY	DESCRIPTION
1	813011	813011	813011	1	FLEXIBLE 8" PVC CAP
2	PABV15	PABV15	PABV15	1	1-1/2" PVC BALL VALVE
3	PAC800	PAC80010	813026	2	ALUM. SIDE COVER FOR 6" PAD
4	PAP865	PAP865	PAP865	2	END ADAPTER FOR PAP800WT
5	PAS250	PAS250	PAS250	8	#12 x 1 1/2" SELF-DRILLING
6	VT198	VT198	VT198	1	1 1/2" PVC COUPLER
7	VT200	VT200	VT200	1	1 1/2" 90 DEGREE PVC ELL
8	VX150	VX150	VX150	1	1 1/2" PVC UNION



DETAIL K

