



SERVICE MANUAL / PARTS LIST

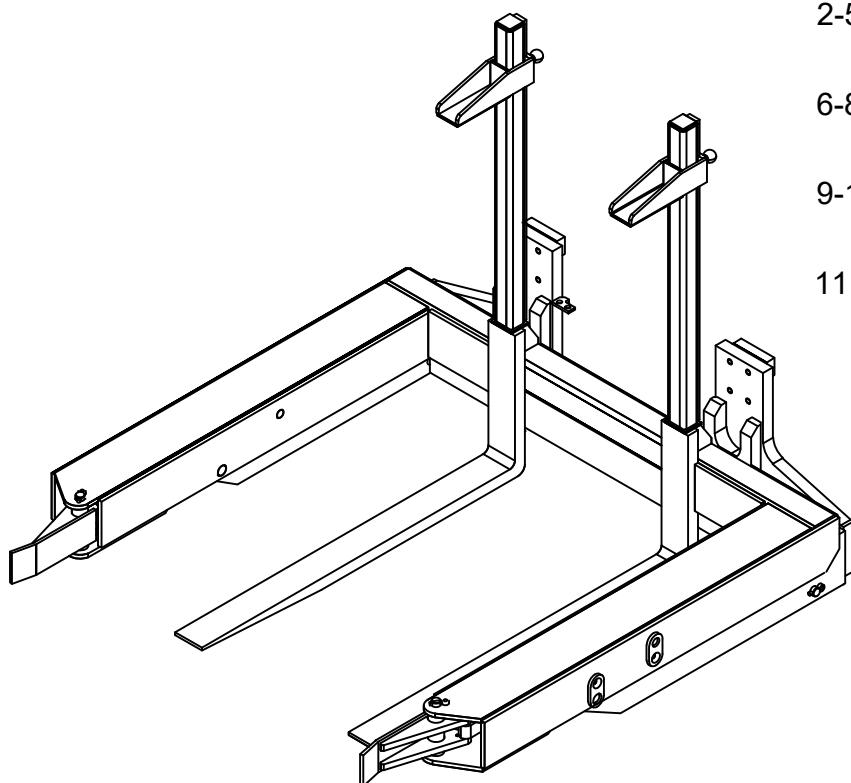
FORWARD BIN DUMPER

CONTENT:

MODEL #113926

PAGE

1	Lift Truck Requirements
	General Installation Procedures
	General Inspection & Maintenance
2-5	Bin Dumper Assembly
6-8	Hydraulic Assembly
9-10	Cylinder Assembly
11	Troubleshooting



Specifications:

Mounting: Class II or III

Capacity: 4000 lbs at 24"

Bin Size: 48" Long x 48" Wide

Bin Height: 17" - 53"

Forks: 1.50" x 47" Usable

Rotation: 135° Forward

R2 - 08/2023

425 Hazel St.
Kelso WA 98626
(800) 248-6079
Fax (360) 578-9934

LIFT TRUCK REQUIREMENTS

CAPACITY

Capacity shown on the bin dumper's name plate is for the bin dumper only. The combined truck and bin dumper capacity is provided by the lift truck manufacturer.

ATTACHMENT HYDRAULICS

Recommended Truck Pressure: 2300 to 2400 PSI (159 to 165 bar)

Hydraulic fluid: petroleum based hydraulic fluid only.

Hydraulic supply group: includes hoses and take-up - one for each function.

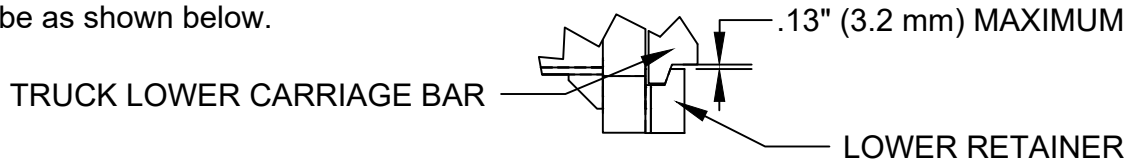
Auxiliary valves: 2 function (Side Shift & Clamp) = double auxiliary valve.

Oil Volume Settings: 6-10 GPM

NOTE: Three Position Force Selector must be disabled.

GENERAL INSTALLATION PROCEDURES

1. Make sure that the attachment centering lug is correctly seated in truck carriage center notch.
2. Clearance between the lower retainers that hold the attachment to the truck lower carriage bar should be as shown below.



3. Connect hydraulic jumper hoses from the truck's supply group to the attachment's main manifold.
4. Standing clear of the attachment and cycle the attachment function several times. Partially filled hydraulic lines may cause erratic movement.

GENERAL INSPECTION AND MAINTENANCE

1. Check all hydraulic fittings, hoses, cylinders and valves for leakage - repair or replace as required.
2. Check hoses for pinch points and signs of wear.
3. All bolts should be checked and tightened as required.
4. Check all weld joints for signs of cracking.

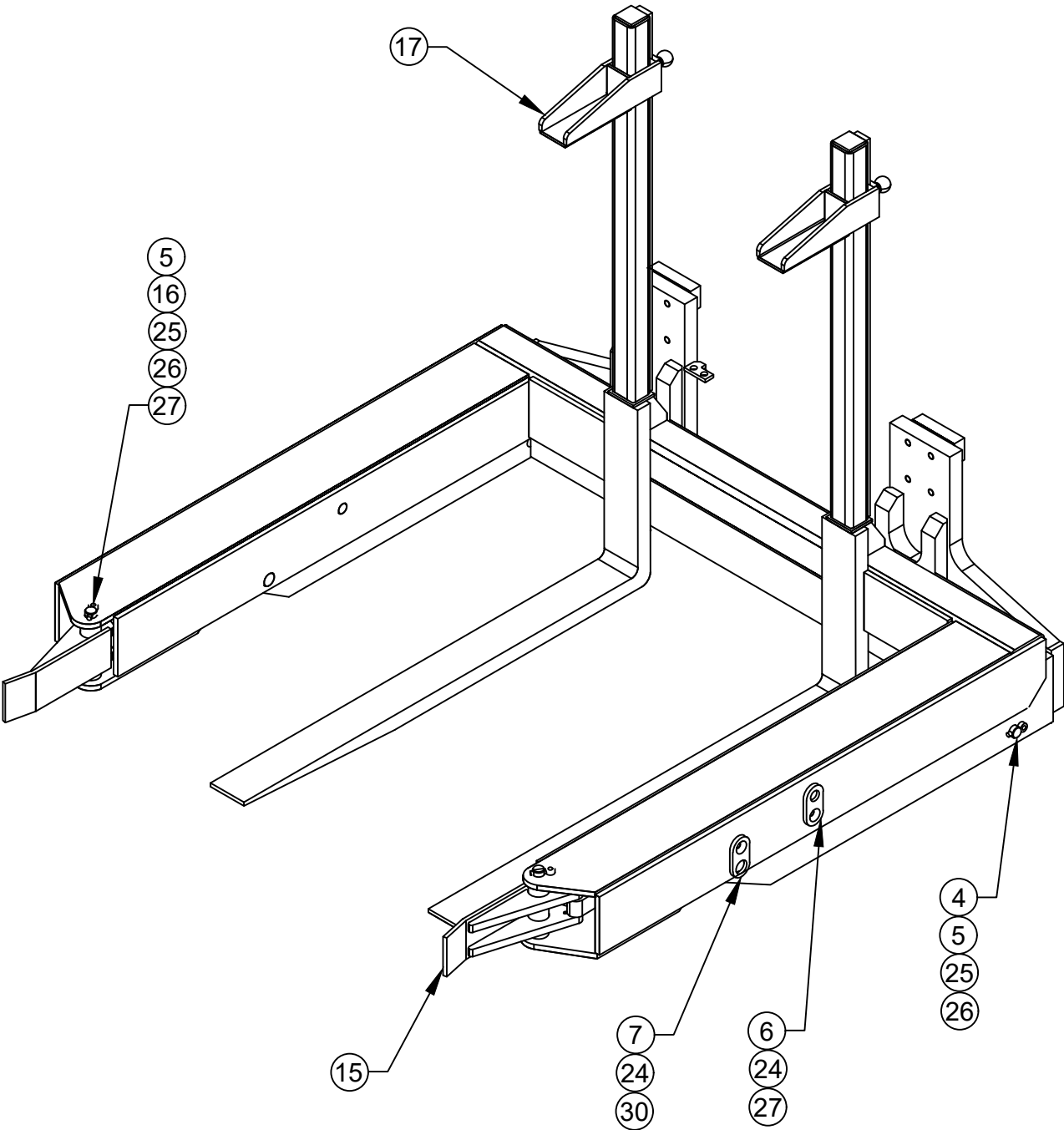
BIN DUMPER ASSEMBLY-1

Drawing reference 114075

#	QTY	PART #	DESCRIPTION
1	1	112525	Carriage Mounting Frame
2	1	114076	Dumping Frame Weldment
3	2	112543.1	Rotating Cylinder
4	2	100663.19	Pin 1.00 x 6.50 L
5	4	101294.5	Lock Pin
6	2	112570	Pin Retainer 1.00" Pin
7	2	112568	Pin Retainer 1.25" Pin
8	2	105535	Pin Clevis
9	2	100574.83	Cotter Pin
10	2	112538.1	Cylinder Assembly (Clamping)
11	2	112537	Cylinder Nut
12	2	112585	Pin .62 Dia x 4.0L
13	2	114872	Lock Pin .31 x 1.00U
14	2	25G.0516	Bolt Button Head
15	2	112532	Bin Retainer Weldment
16	2	100663.20	Pin 1.00 x 7.38L
17	2	114078	Stop Weldment With Pull Pin
18	-	-	-
19	4	105747	Hook
20	4	112581	Spacer Plate
21	8	11G.1032	Bolt Socket Head
22	1	111832	Centering Lug
23	2	11G.1020	Bolt Socket Head
24	4	9G.0812	Bolt Flat Head
25	4	25G.0616	Bolt Button Head
26	4	4E.06	Lockwasher
27	8	100665.38	Thrust Washer
28	2	4E.05	Lockwasher
29	2	8D.14	Jam Nut
30	10	100665.53	Thrust Washer
31	2	25G.0612	Bolt Button Head
32	4	100785.16	Bushing

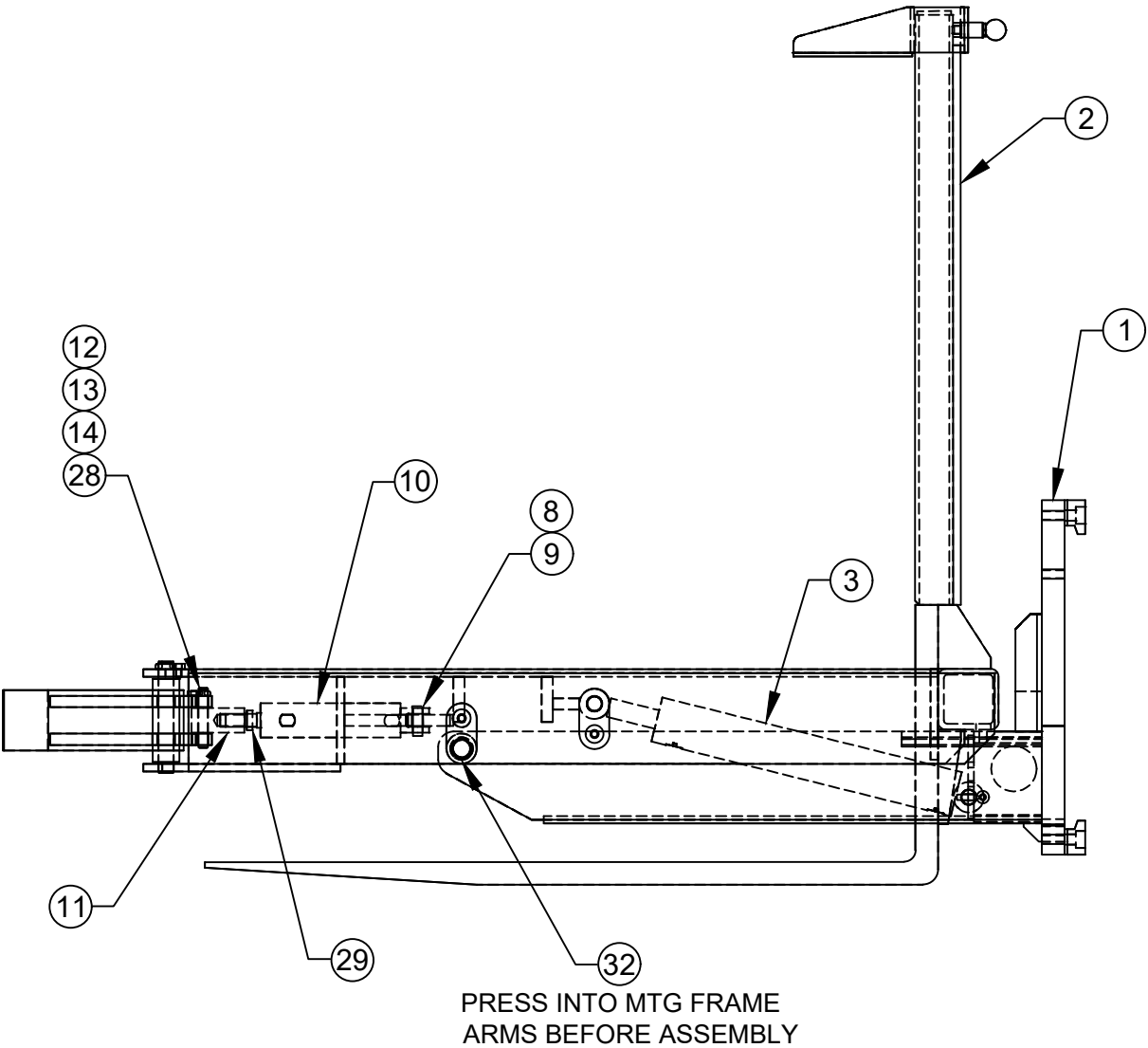
BIN DUMPER ASSEMBLY-2

Drawing reference 114075



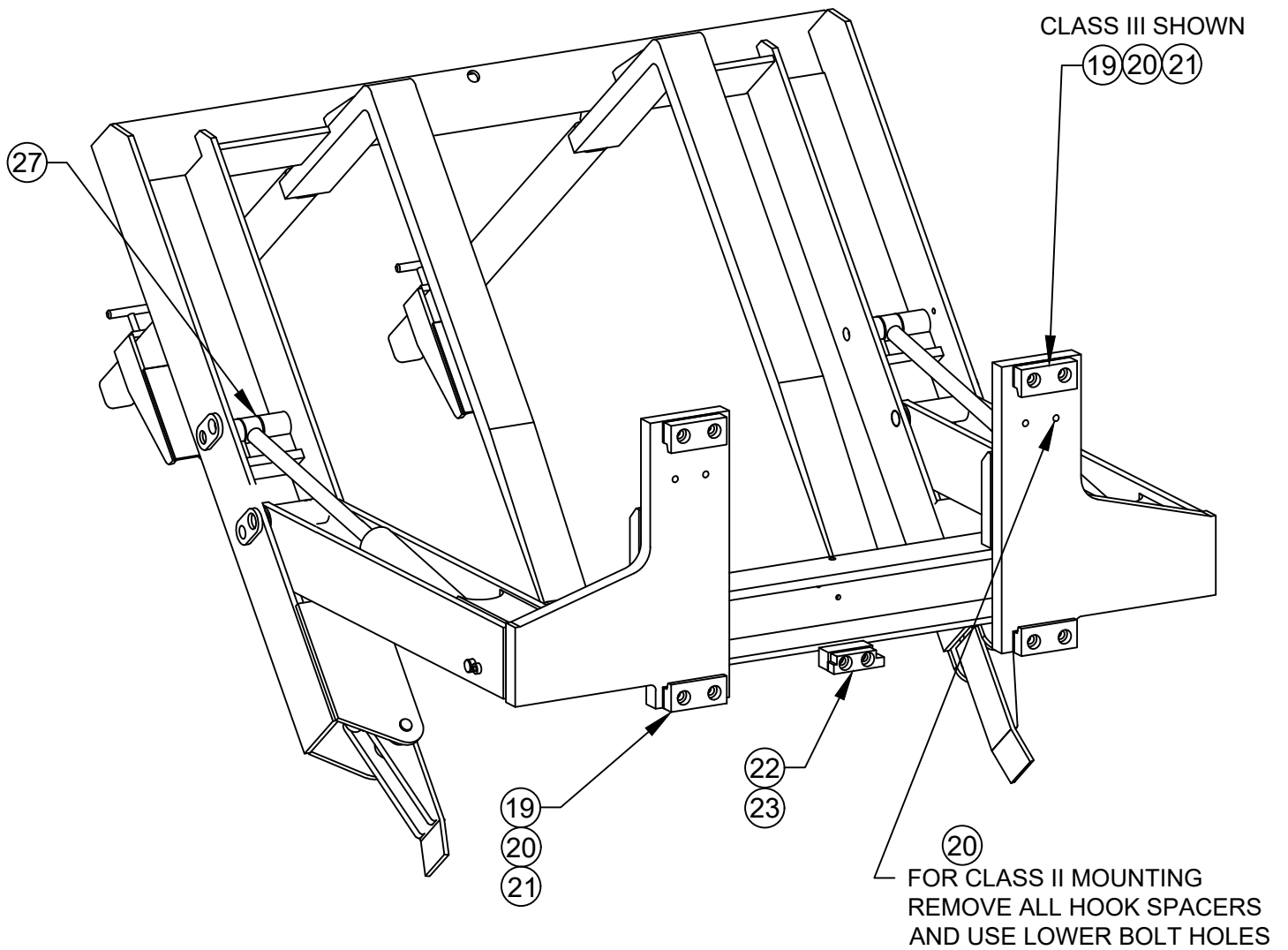
CLAMP ASSEMBLY-3

Drawing reference 114075



CLAMP ASSEMBLY-4

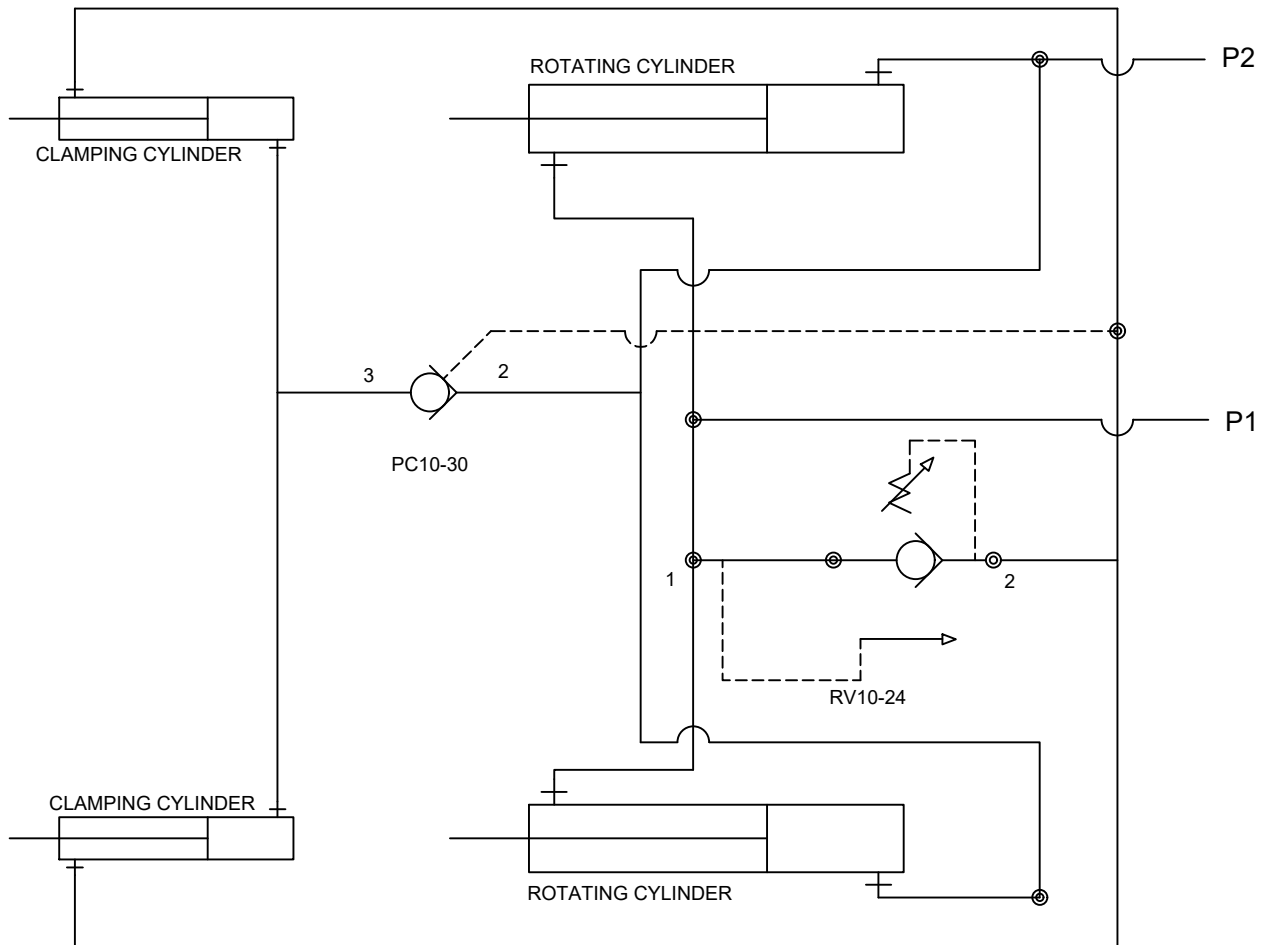
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HYDRAULIC ASSEMBLY-1

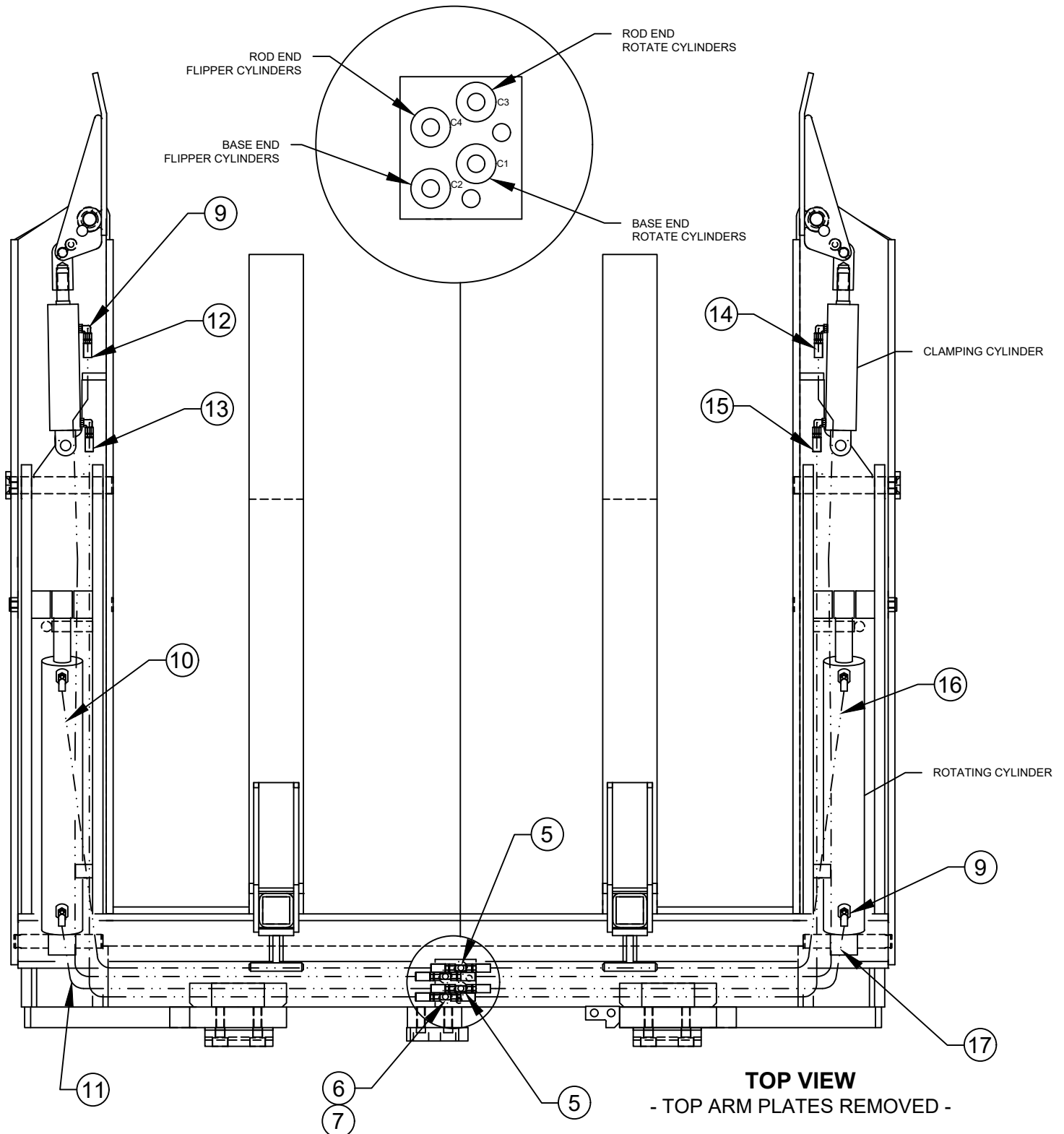
Drawing reference 112523

#	QTY	PART #	DESCRIPTION	#	QTY	PART #	DESCRIPTION
1	1	112600	Valve	11	1	100233.0340	Hose Assembly
2	2	1C.0656	Hex Head Bolt	12	1	100233.0743	Hose Assembly
3	2	2F.06	Washer	13	1	100223.0680	Hose Assembly
4	2	17D.06	ESNA Nut	14	1	100223.0753	Hose Assembly
5	2	100678.05	O-Ring Tee Fitting	15	1	100223.0703	Hose Assembly
6	4	100676.05	Straight Fitting	16	1	100233.0475	Hose Assembly
7	2	101134.05	Swivel Tee Branch	17	1	100233.0325	Hose Assembly
8	2	100744.05	Bulkhead Fitting	18	1	100674.0170	Hose Assembly
9	8	100095.05	90° O-Ring Fitting	19	1	100674.0190	Hose Assembly
10	1	100233.0485	Hose Assembly				



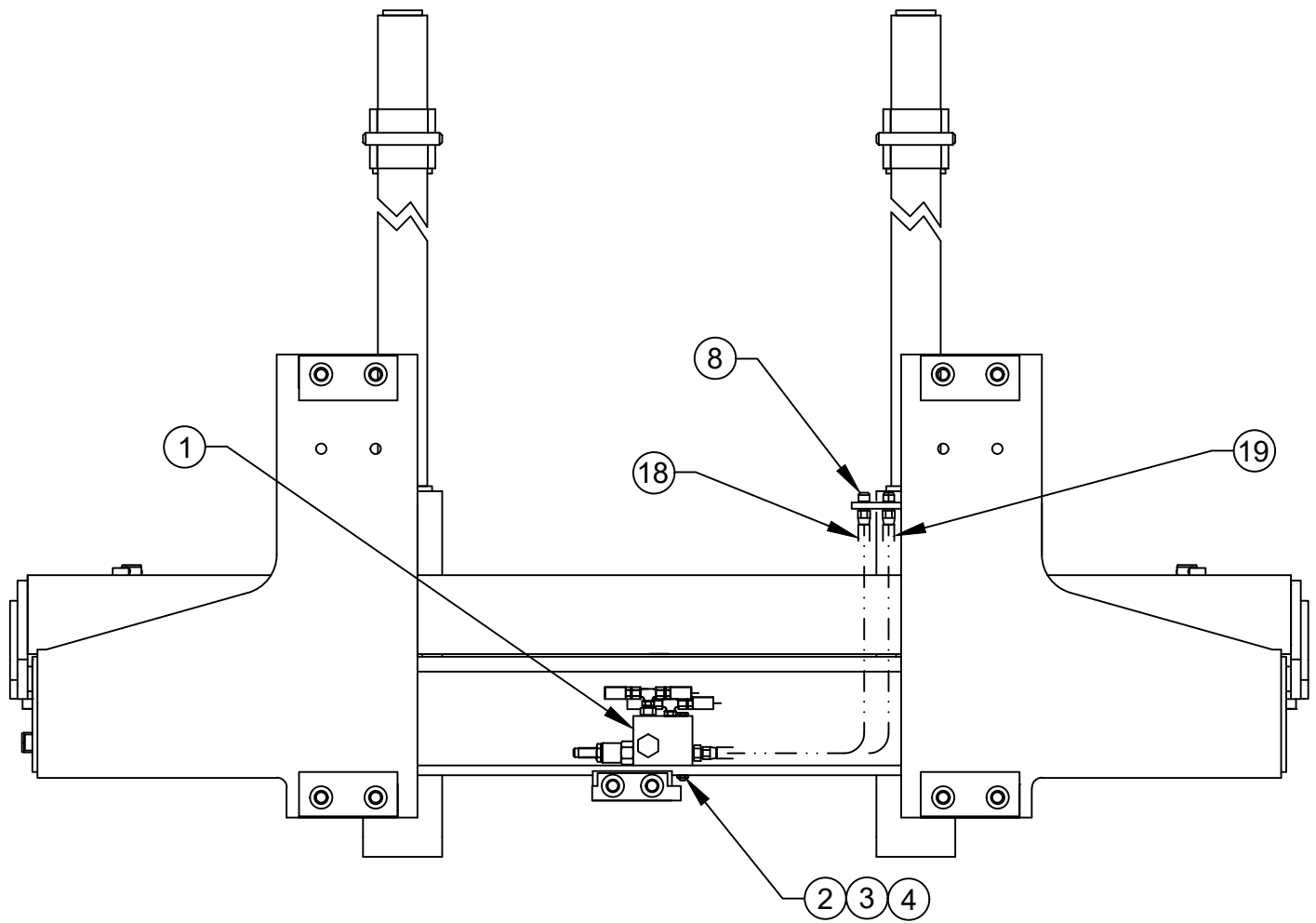
HYDRAULIC ASSEMBLY-2

Drawing reference 112523



HYDRAULIC ASSEMBLY-3

Drawing reference 112523



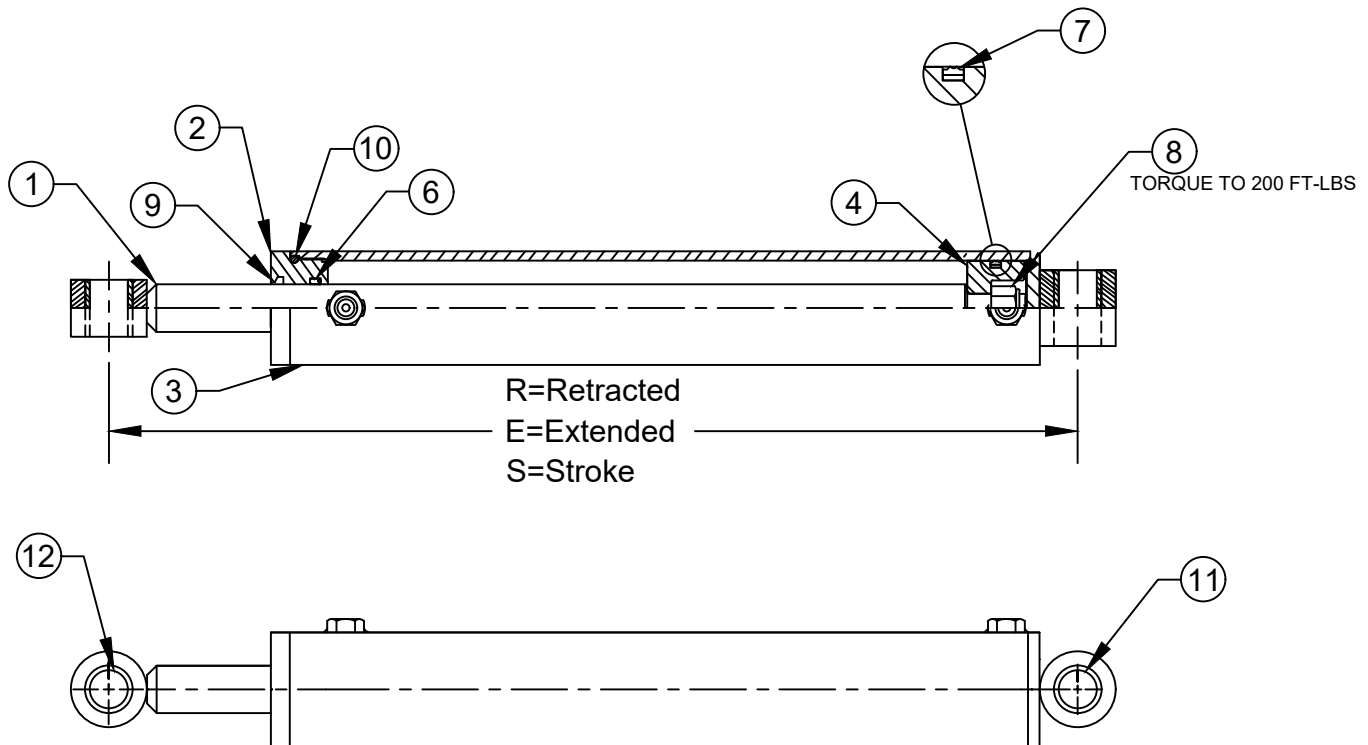
BACK VIEW

ROTATING CYLINDER ASSEMBLY

Drawing reference 112543.1

Part #	R	E	S
112543.1	25.52	42.36	16.84

#	QTY	PART #	DESCRIPTION	#	QTY	PART #	DESCRIPTION
1	1	112544	Rod Weldment	7	1	101421.4	PSP Piston Seal
2	1	102242	Gland Nut	8	1	18D.12	Locknut
3	1	112545	Tube Weldment	9	1	103208.4	Wiper Ring
4	1	113560	Piston	10	1	100029.10	O-Ring
5	1	102183	Seal Kit (Items 6 - 10)	11	1	100785.3	Bushing
6	1	100031.5	Polypak BS	12	1	100785.2	Bushing



Cylinder Service

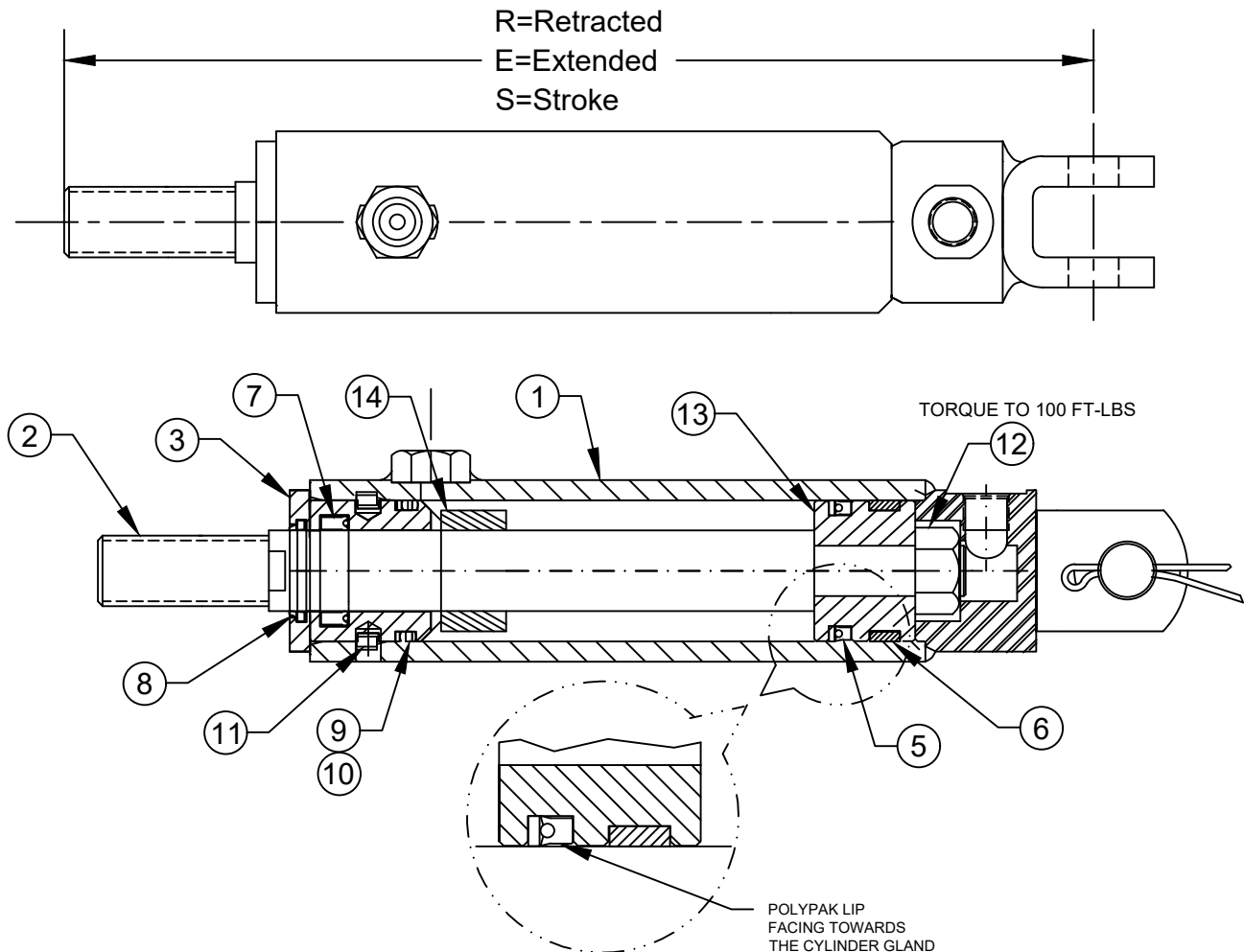
- Prior to assembly lubricate seals, cylinder bore and rod with STP.
- Inspect all parts for scratches, nicks and gouges - replace all damaged components.
- Inspect cylinder bore and rod for scoring - replace if scored.
- Avoid damage to seal grooves - use a dull screwdriver for seal removal.
- Torque piston nut to 200 FT-LBS (27.7 kg-m).

CLAMPING CYLINDER ASSEMBLY

Drawing reference 112538.1

Part #	R	E	S
112538.1	12.75	17.38	4.63

#	QTY	PART #	DESCRIPTION				
1	1	112539.1	Tube Weldment	7	1	112905	Rod Seal
2	1	112540.1	Rod Weldment	8	1	102098.5	Rod Wiper
3	1	111373	Gland	9	1	100029.2	O-Ring
4	1	111542	Seal Kit (Items 5-12)	10	1	100028.2	Back-up Ring
5	1	114206	Piston Seal	11	1	100027.7	Lockwire
6	1	102099.1	Wear Ring	12	1	27D.10	Self Locking Nut
				13	1	101841	Piston



Cylinder Service

- Prior to assembly lubricate seals, cylinder bore and rod with STP.
- Inspect all parts for scratches, nicks and gouges - replace all damaged components.
- Inspect cylinder bore and rod for scoring - replace if scored.
- Avoid damage to seal grooves - use a dull screwdriver for seal removal.
- Torque piston nut to 100 FT-LBS (13.8 kg-m).

TROUBLE SHOOTING GUIDE

BIN RETAINERS OPEN TOO SOON

POSSIBLE CAUSES

1. Bin dumper relief set too low.
2. Check valve is stuck open.
3. Relief valve is stuck open.

SOLUTION

1. Adjust relief valve inward.
2. Remove and clean relief valve. Replace if needed.
3. Remove and clean relief valve. Replace if needed.

BIN RETAINERS WILL NOT OPEN

POSSIBLE CAUSES

1. Bin dumper relief set too high.

SOLUTION

1. Adjust relief valve outward.