
Service Bulletin

Maintenance of Way Equipment

Date: 7.06.2026

RRP Service Bulletin No: RRP SB403

Title: Update hydraulic schematics & hydraulic reservoir placard to show correct hydraulic suppressor psi.

Rating:

☐

ALERT

(Potential Problem)

☒

INFORMATION

(Action Is Optional)

☐

DIRECTIVE

(Action Is Required)

☐

PRODUCT IMPROVEMENT

(Enhance Product)

Product Series: Advanced Tie Plate Inserter [ATPI]

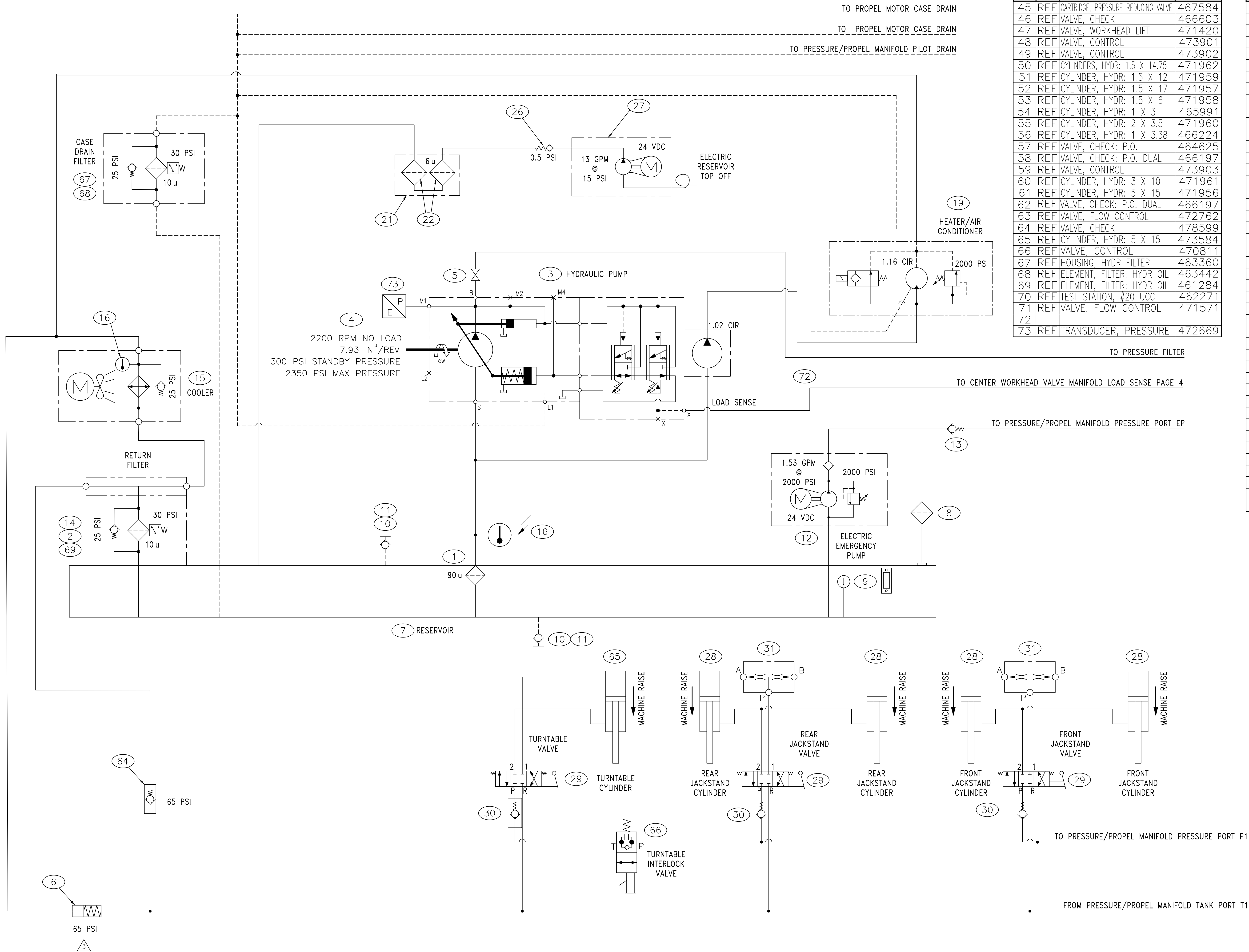
Serial No: 932602

ATPI-079	932602	BNSF	X3800213
ATPI-080	932602	BNSF	X3800214

Summary: Missing pressures on the hydraulic schematic for suppressor.

Action: Update existing 932602 parts manuals with hydraulic schematic RRP# 721044 Rev 3 & hydraulic placard RRP# 478507 Rev 3.

Completion / Resolution: Continue with normal machine operation after replacing pages in machine parts manual and hydraulic placard on hydraulic reservoir.



NO.	QTY.	DESCRIPTION	PART NO.
45	REF	CARTRIDGE, PRESSURE REDUCING VALVE	467584
46	REF	VALVE, CHECK	466603
47	REF	VALVE, WORKHEAD LIFT	471420
48	REF	VALVE, CONTROL	473901
49	REF	VALVE, CONTROL	473902
50	REF	CYLINDERS, HYDR: 1.5 X 14.75	471962
51	REF	CYLINDER, HYDR: 1.5 X 12	471959
52	REF	CYLINDER, HYDR: 1.5 X 17	471957
53	REF	CYLINDER, HYDR: 1.5 X 6	471958
54	REF	CYLINDER, HYDR: 1 X 3	465991
55	REF	CYLINDER, HYDR: 2 X 3.5	471960
56	REF	CYLINDER, HYDR: 1 X 3.38	466224
57	REF	VALVE, CHECK: P.O.	464625
58	REF	VALVE, CHECK: P.O. DUAL	466197
59	REF	VALVE, CONTROL	473903
60	REF	CYLINDER, HYDR: 3 X 10	471961
61	REF	CYLINDER, HYDR: 5 X 15	471956
62	REF	VALVE, CHECK: P.O. DUAL	466197
63	REF	VALVE, FLOW CONTROL	472762
64	REF	VALVE, CHECK	478599
65	REF	CYLINDER, HYDR: 5 X 15	473584
66	REF	VALVE, CONTROL	470811
67	REF	HOUSING, HYDR FILTER	463360
68	REF	ELEMENT, FILTER: HYDR OIL	463442
69	REF	ELEMENT, FILTER: HYDR OIL	461284
70	REF	TEST STATION, #20 UCC	462271
71	REF	VALVE, FLOW CONTROL	471571
72			
73	REF	TRANSDUCER, PRESSURE	472669

NO.	QTY.	DESCRIPTION	PART NO.
1	REF	FILTER, HYDR OIL	462270
2	REF	SWITCH, PRESSURE	471972
3	REF	PUMP, HYDR: 7.93/1.02 CIR	474037
4	REF	ENGINE, CUMMINS QSF3.8	473979
5	REF	VALVE, BALL: #20 CODE 62	472677
6	REF	SUPPRESSOR, HYDRAULIC	472292
7	REF	RESERVOIR, OIL	78149
8	REF	BREATHER/FILTER, AIR	465053
9	REF	GAUGE, FLUID TEMP/LEVEL	473302
10	REF	DISCONNECT, MALE QUICK: #16 AQP 5602	462278
11	REF	CAP, DUST: #16 AQP QUICK DISCONNECT	462279
12	REF	PUMP, HYDR: 24 VDC	475950
13	REF	VALVE, CHECK	464658
14	REF	FILTER, HYDR OIL	471796
15	REF	COOLER	473658
16	REF	SENSOR, TEMPERATURE	472539
17	REF	PLATE, D03 TAPPING	473513
18	REF	VALVE, CONTROL	473210
19	REF	HEATER/AIR CONDITIONER	473689
20			
21	REF	HOUSING, HYDR FILTER	462267
22	REF	ELEMENT, FILTER: HYDR OIL	463625
23			
24			
25			
26	REF	VALVE, CHECK	466411
27	REF	PUMP, HYDR: 24 VDC	468183
28	REF	CYLINDER, HYDR: 2.5 X 10	472639
29	REF	VALVE, CONTROL	475969
30	REF	VALVE, CHECK	404168
31	REF	VALVE, FLOW DIVIDER	473489
32	REF	FILTER, HYDR OIL	471753
33	REF	VALVE, CONTROL	462489
34	REF	SCR, SOC: .5-13 X 2.5	403979
35	REF	MANIFOLD, PRESSURE/PROPEL	473656
36	REF	CARTRIDGE, CHECK VALVE	471700
37	REF	CARTRIDGE, RELIEF VALVE	471702
38	REF	CARTRIDGE, RELIEF VALVE	471648
39	REF	DISCONNECT, MALE QUICK: M16 STAUFF	470384
40	REF	MOTOR, HYDR: 11.9 CIR	464725
41	REF	CYLINDER, HYDR: 2.5 X 16	473277
42	REF	CARTRIDGE, FLOW DIVIDER VALVE	467585
43	REF	CARTRIDGE, FLOW CONTROL VALVE	467583
44	REF	CARTRIDGE, CONTROL VALVE	466600

02216	3	SEE EN	6-26	MSO
01352	2	SEE EN	2-25	MSO
01138	1	NEW RELEASE	12-24	MSO

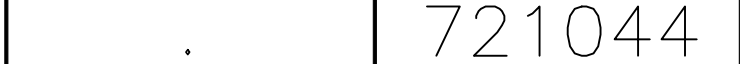
EN	REV	CHANGE DESCRIPTION	DATE	DRN
DIMENSION TOLERANCES—UNLESS OTHERWISE SPECIFIED				
LINEAR		.XX±.03	.XXX±.010	
ANGULAR		X'±1°	X.X'±.5°	
SURFACE FINISH 125/ NOT TO EXCEED			SMOOTH ALL SHARP EDGES CLEAN ALL WELDS	

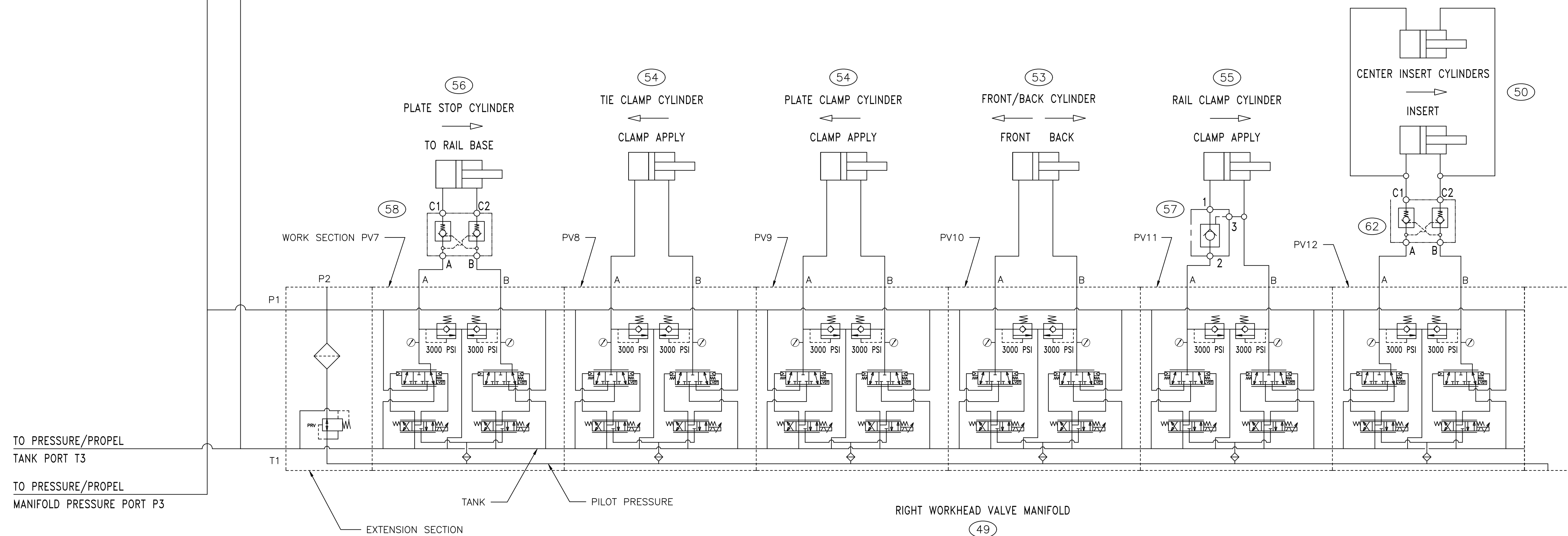
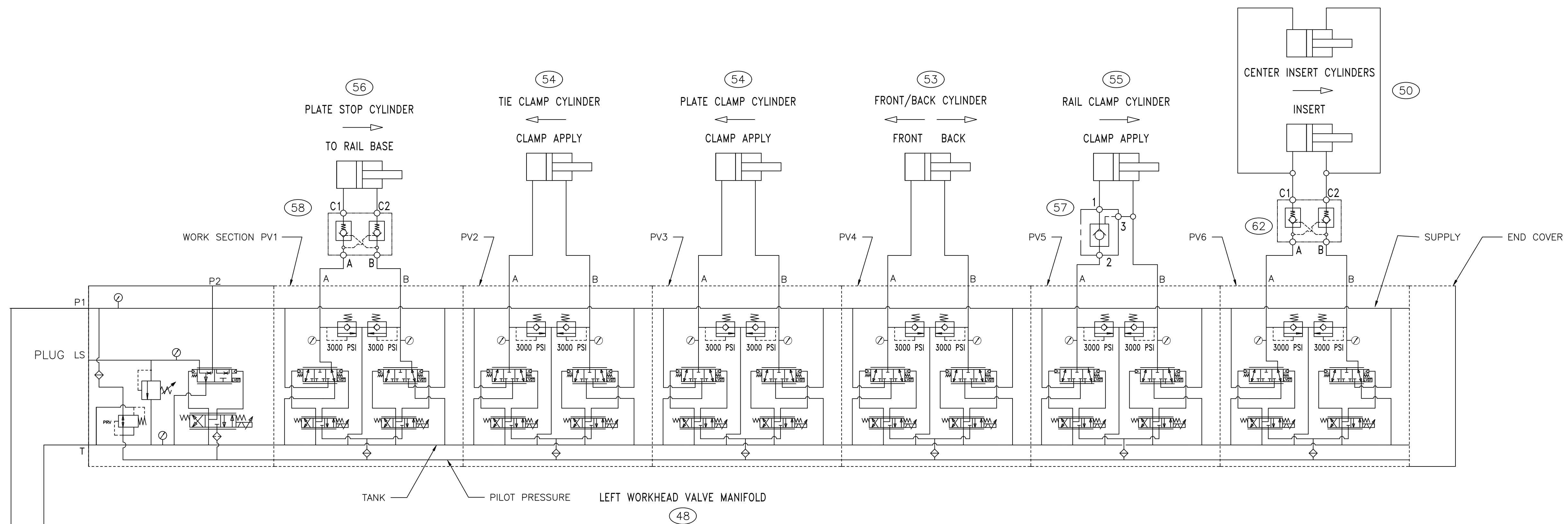
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RACINE RAILROAD PRODUCTS
Racine, Wisconsin USA

DESCRIPTION
SCHEMATIC, HYDRAULIC

MATERIAL		REFERENCE	
USED ON 932602		SCALE 1:1	DATE 12-11-24
DRN MSO	CHK APP	JOB NO RD150003	SHEET 1 of 4
EXP NO		DWG NO 721044	



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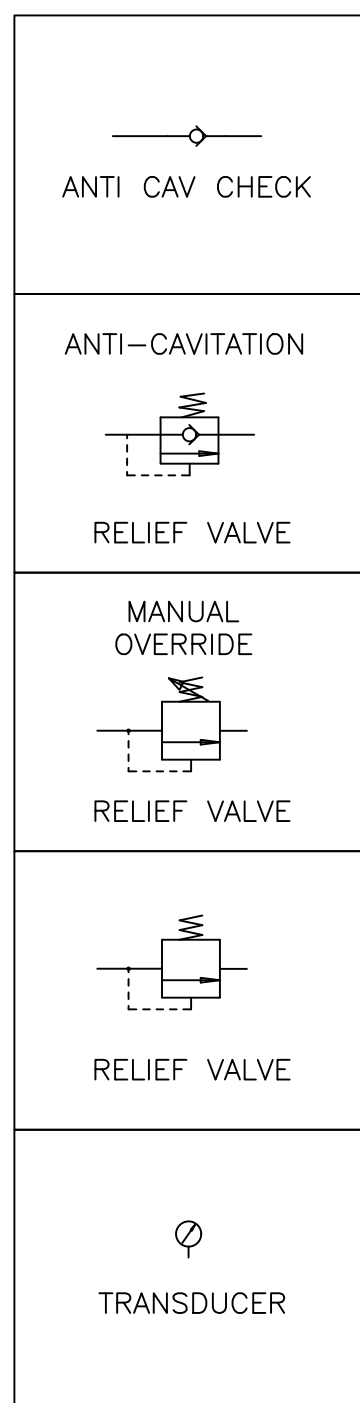
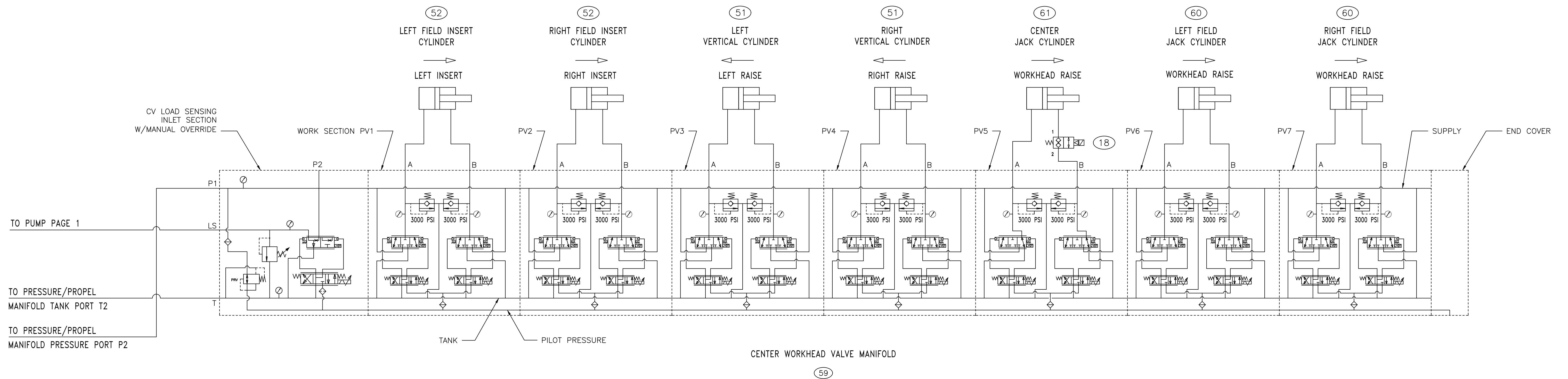
02216	3	SEE EN	6-26	MSO
01352	2	SEE EN	2-25	MSO
01138	1	NEW RELEASE	12-24	MSO
EN	REV	CHANGE DESCRIPTION	DATE	DRN
DIMENSION TOLERANCES--UNLESS OTHERWISE SPECIFIED				
LINEAR		.XX±.03	.XXX±.010	
ANGULAR		X'±1°	X.X'±.5°	
SURFACE FINISH 125/ NOT TO EXCEED			SMOOTH ALL SHARP EDGES CLEAN ALL WELDS	

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RACINE RAILROAD PRODUCTS
Racine, Wisconsin USA

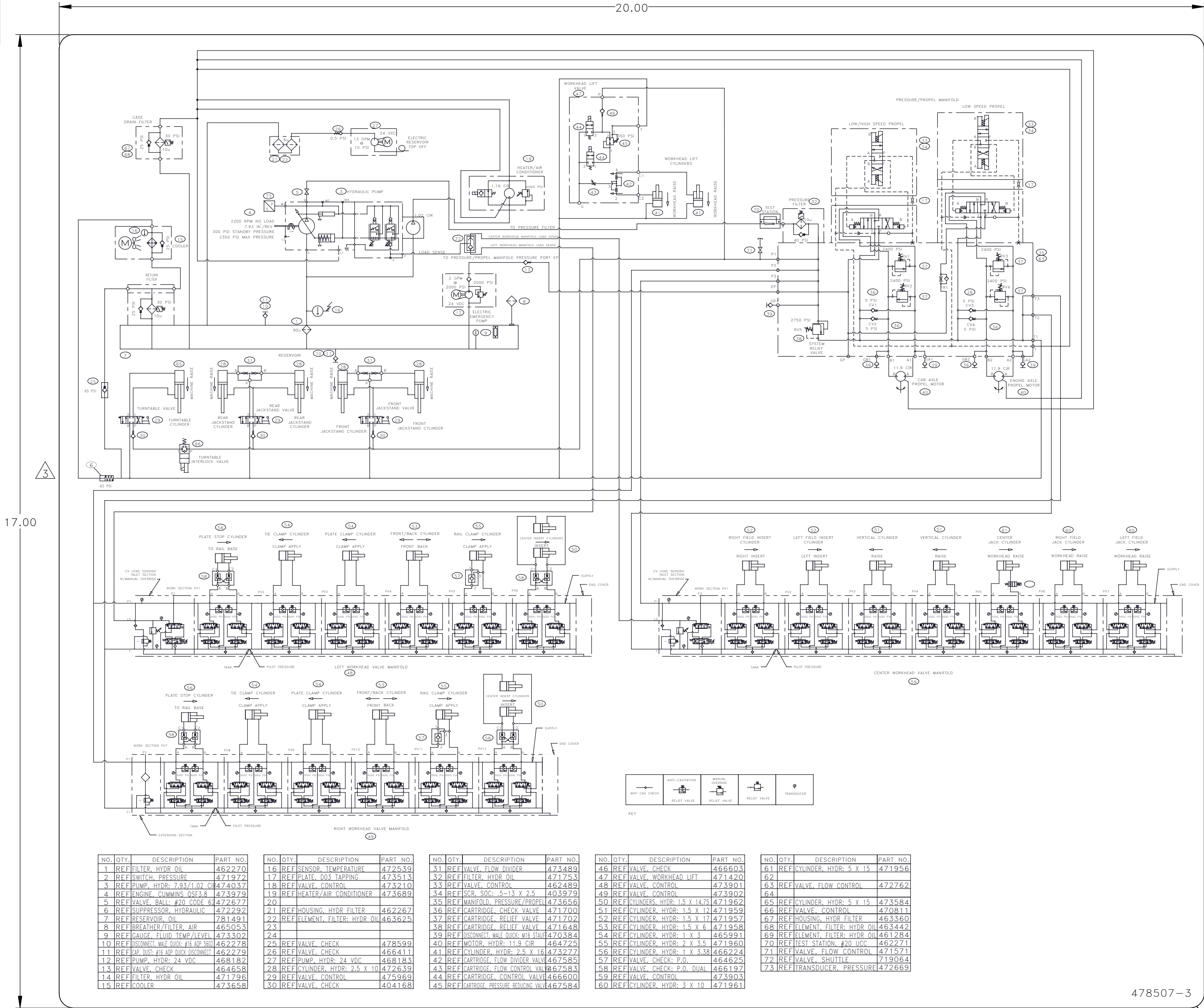
DESCRIPTION	SCHEMATIC, HYDRAULIC
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MATERIAL				REFERENCE			
USED ON 932602				SCALE 1:1		DATE 12-11-24	
DRN MSO	CHK	APP	JOB NO RD150003			SHEET 3 of 4	
EXP NO			DWG NO 731044				



02216	3	SEE EN						6-26	MSO
01352	2	SEE EN						2-25	MSO
01138	1	NEW RELEASE						12-24	MSO
EN	REV	CHANGE	DESCRIPTION					DATE	DRN
DIMENSION TOLERANCES--UNLESS OTHERWISE SPECIFIED									
LINEAR		.XX=±.03		.XXX=±.010					
ANGULAR		X°=±1°		X.X°=±.5°					
SURFACE FINISH 125/√				SMOOTH ALL SHARP EDGES NOT TO EXCEED CLEAN ALL WELDS					
This print and all information within belongs to Racine Railroad Products									
RACINE RAILROAD PRODUCTS Racine, Wisconsin USA									
DESCRIPTION									
SCHEMATIC, HYDRAULIC									
MATERIAL									
REFERENCE									
USED ON				SCALE		DATE			
932602				1:1		12-11-24			
DRN		CHK		APP		JOB NO		SHEET	
MSO						RD150003		4 of 4	
EXP NO				DWG NO					
				721044					

NO.	QTY	RAW MATERIAL DESCRIPTION	PART NO.
1	AR	DECAL MATERIAL, .010 POLYCARBONATE W/ PSA	020045



* CAB & ENGINE AXLE LABELS SWITCHED

REV	EN	DESCRIPTION	DATE	DRN
1	01138	NEW RELEASE	12-24	MSO
2	01352	SEE EN FOR DETAILS	2-25	MSO
3	02216	CHG 0 PSI TO 65 PSI	6-26	MSO

DIMENSION TOLERANCES UNLESS OTHERWISE SPECIFIED

LINEAR	.XX=±.03	.XXX=±.010	KERF ALLOW.
ANGULAR	X°=±1°	X.X°=±.5°	

SURFACE FINISH 125/ NOT TO EXCEED ✓ SMOOTH ALL SHARP EDGES CLEAN ALL WELDS

THIS PRINT AND ALL INFORMATION WITHIN BELONGS TO RACINE RAILROAD PRODUCTS

RACINE RAILROAD PRODUCTS
RACINE, WISCONSIN USA

DESCRIPTION

PLACARD, HYDRAULIC SCHEMATIC

MATERIAL TYPE

SEE BOM

USED ON	721046	SCALE	1:1.3	DATE	12-12-24
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DRN	MSO	WEIGHT (LBS)	0.15	JOB NO	RD150003	SHEET	1 OF 1
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DWG SIZE	C	CATALOG	S	DWG NO	478507
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