



**PARTS MANUAL
FOR
HAGIE 90', 100' & 120' BOOMS**

HAGIE MANUFACTURING COMPANY

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05-13
02-14

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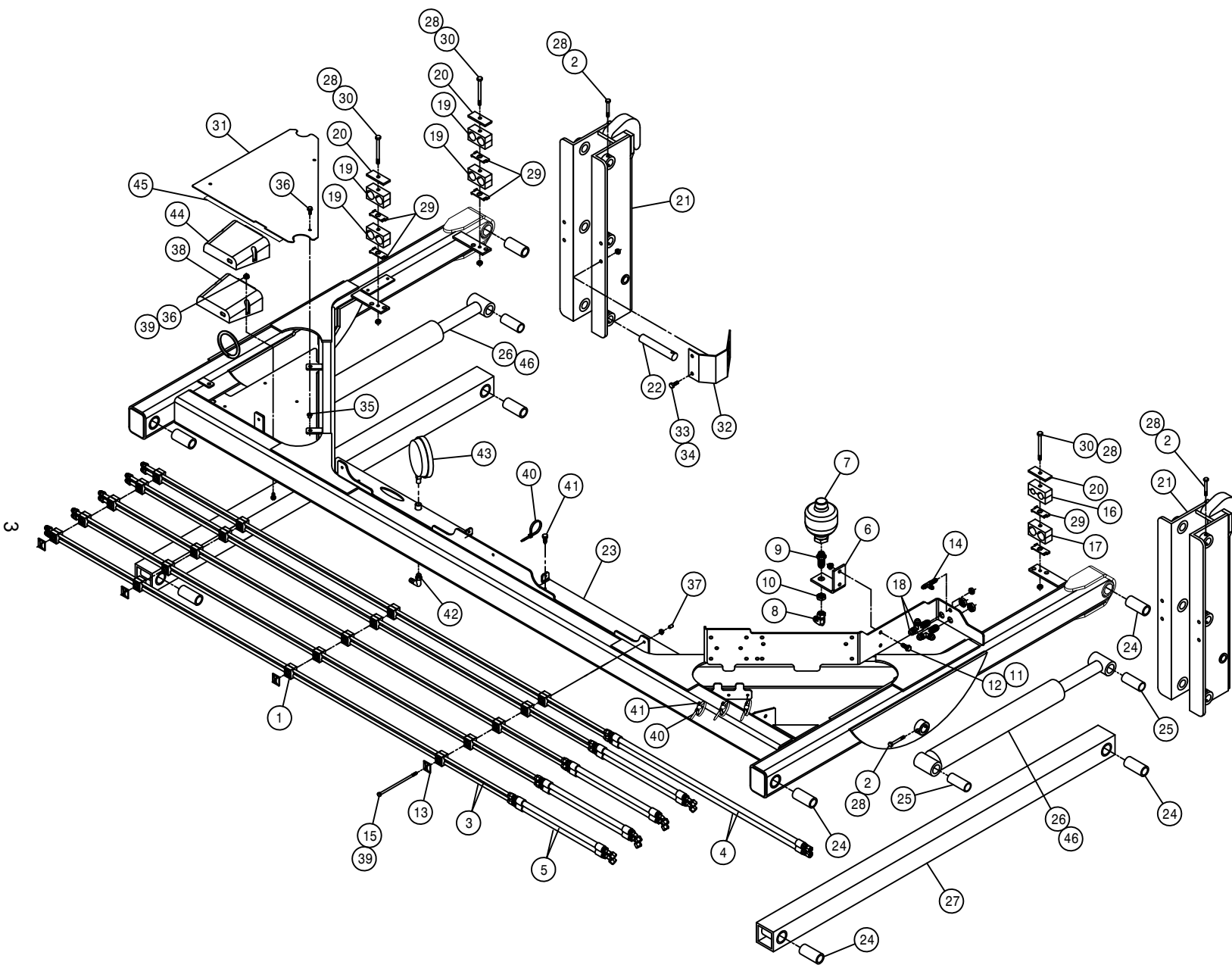
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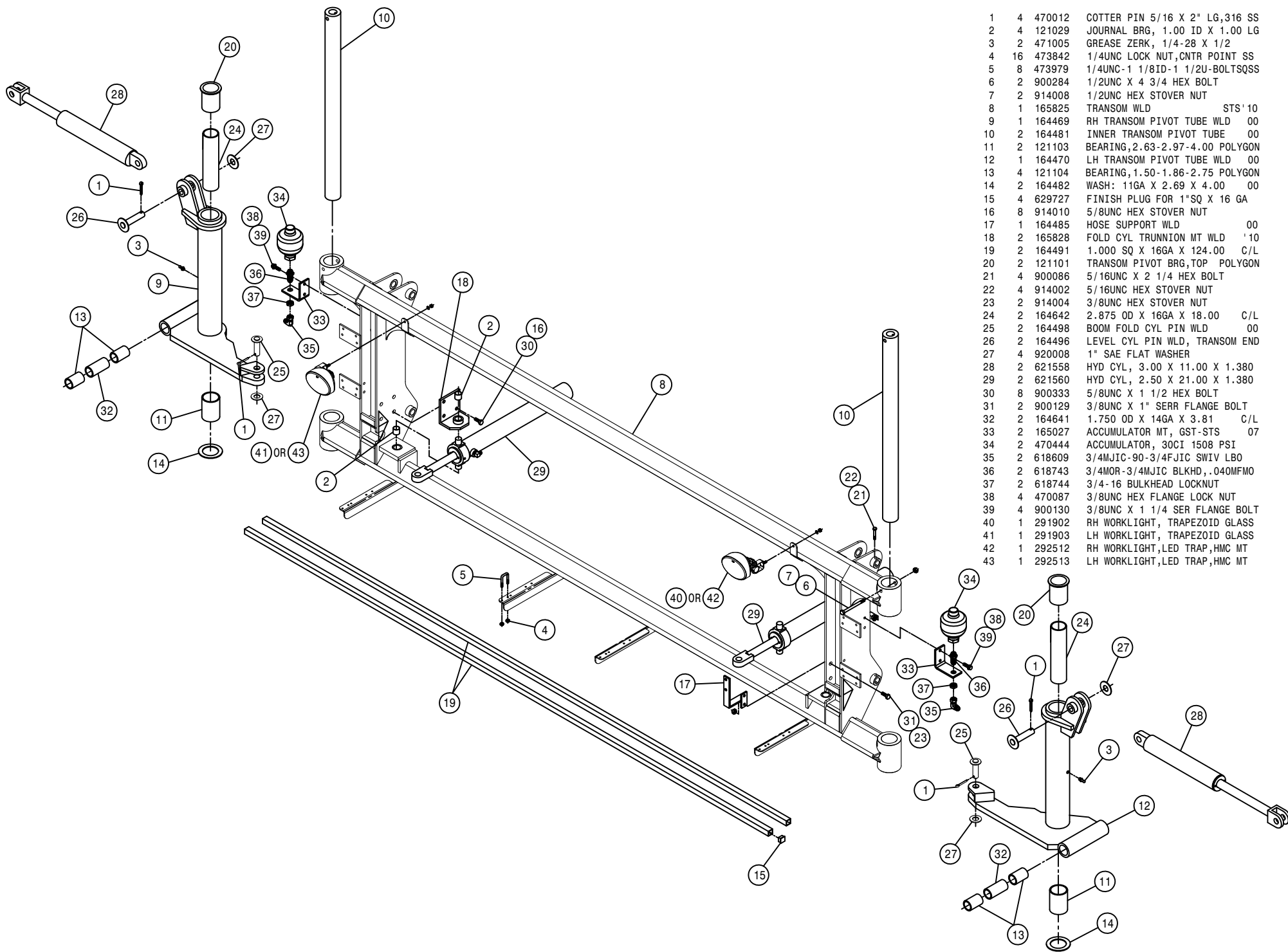


LIFTARM ASSEMBLY 90/100

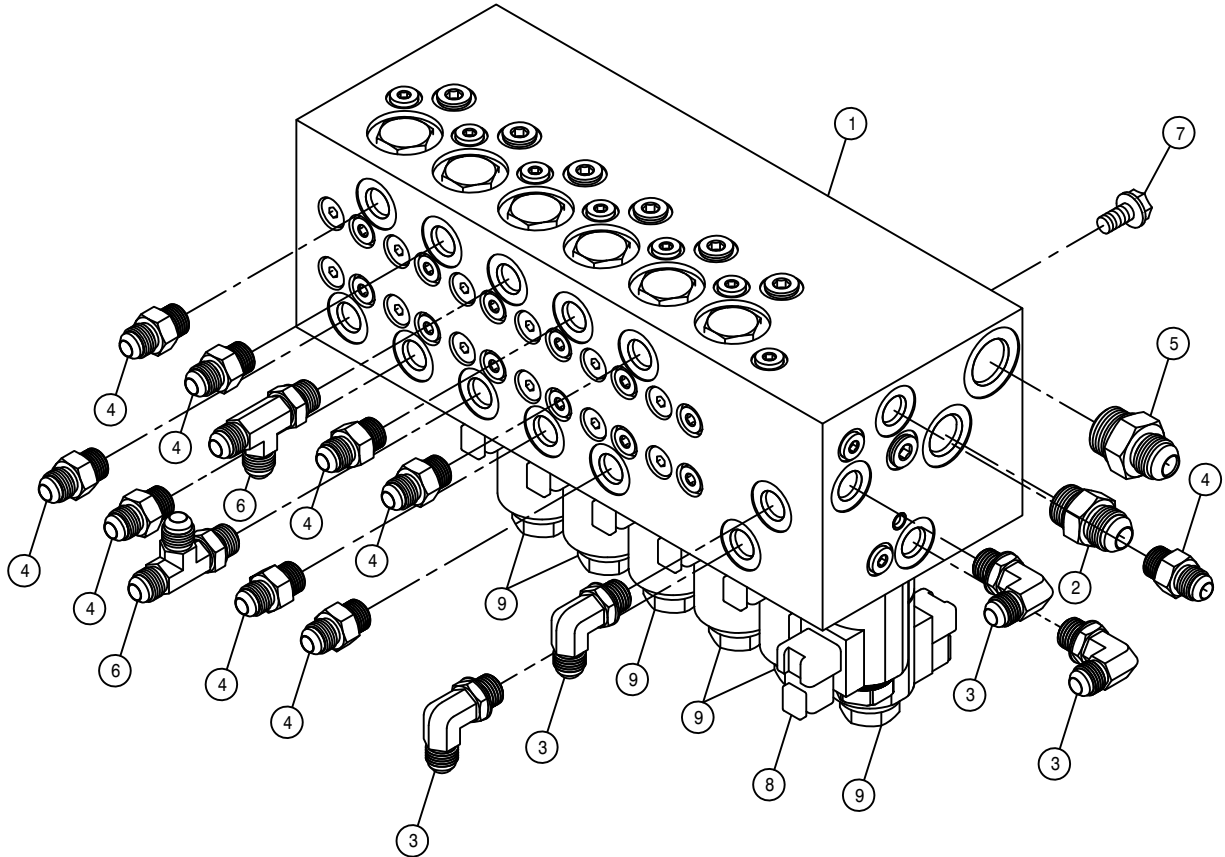
DET.	QTY	PART NO.	DESCRIPTION
1	20	470473	TUBE CLAMP, HVY DTY .375-.375
2	8	900086	5/16UNC X 2 1/4 HEX BOLT
3	10	615852	LIFTARM HYD TUBE ASSY,STSL5 07
4	2	616304	06-451TC-06FJX-06FJX-36 H/A
5	8	616316	06-451TC-06FJX-06FJX45-18 H/A
6	1	165027	ACCUMULATOR MT, GST-ST5 07
7	1	470444	ACCUMULATOR, 30CI 1508 PSI
8	1	618609	3/4MJIC-90-3/4FJIC SWIV LBO
9	1	618743	3/4MOR-3/4MJIC BLKHD,.040MFMO
10	1	618744	3/4-16 BULKHEAD LOCKNUT
11	2	470087	3/8UNC HEX FLANGE LOCK NUT
12	2	470460	3/8UNC X 1 SERR FLANGE BOLT
13	4	470474	COVER PLATE FOR 470473 CLAMP
14	1	618748	7/16MJIC BLKHD RUN TEE
15	4	900032	1/4UNC X 6 1/2" HEX BOLT
16	1	470270	HOSE CLAMP BODY,.530-.680
17	1	470274	TUBE CLAMP BODY,.750-.750
18	2	618749	3/4MJIC BLKHD RUN TEE
19	4	470275	TUBE CLAMP BODY,1.000-1.000
20	3	470276	CLAMP COVER PLATE,SNGL, 2.55LG
21	2	164800	QUICK ATTACH PLT WLD STS 04
22	12	164452	LIFT ARM MT PIVOT PIN,STS12 00
23	1	165021	UPPER LIFT ARM WLD, STSL5 06
24	8	121107	BEARING,1.00-1.36-3.00 POLYGON
25	4	121109	BEARING,1.00-1.25-3.13 POLYGON
26	2	621556	HYD CYL, 2.50 X 18.00 X 1.500
27	2	164450	LWR LIFTARM WLD, STS 00
28	11	914002	5/16UNC HEX STOVER NUT
29	6	470281	STACK BOLT SAFETY LOCK PLATE
30	3	900076	5/16UNC X 4" HEX BOLT
31	1	165006	UPPER LIFTARM BUSS COVER,STS05
32	1	165742	RECEPTACLE MT,BOOMS STS'12
33	2	900129	3/8UNC X 1" SERR FLANGE BOLT
34	2	141004	3/8UNC HEX STOVER NUT
35	3	470380	1/4-20 NUTSERT .027-.165 STL
36	7	470118	1/4UNC X 3/4 FLANGE HEX BOLT
37	4	629770	CAPPLUGS CAP,.234 X .500 VINYL
38	1	292017	IQAN-XS2 MODULE
39	8	470121	1/4UNC HEX FLANGE LOCK NUT
40	7	470154	CABLE TIE, 11.75" BLK PLASTIC
41	7	470432	PUSH MT BASE FOR PLASTIC TIE
42	1	618556	1/4NPT-90-1/2 HOSE BARB,POLY
43	1	690359	PRESSURE GA GLYCERI 100 PSI
44	1	292016	IQAN-XA2 MODULE
45	1	650393	DECAL,90' BOOM MODULES '12
46	2	621557	REPAIR KIT,HYD CYL 621556

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	4	470012	COTTER PIN 5/16 X 2" LG,316 SS
2	4	121029	JOURNAL BRG, 1.00 ID X 1.00 LG
3	2	471005	GREASE ZERK, 1/4-28 X 1/2
4	16	473842	1/4UNC LOCK NUT,CNTR POINT SS
5	8	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	2	900284	1/2UNC X 4 3/4 HEX BOLT
7	2	914008	1/2UNC HEX STOVER NUT
8	1	165825	TRANSOM WLD STS' 10
9	1	164469	RH TRANSOM PIVOT TUBE WLD 00
10	2	164481	INNER TRANSOM PIVOT TUBE 00
11	2	121103	BEARING,2.63-2.97-4.00 POLYGON
12	1	164470	LH TRANSOM PIVOT TUBE WLD 00
13	4	121104	BEARING,1.50-1.86-2.75 POLYGON
14	2	164482	WASH: 11GA X 2.69 X 4.00 00
15	4	629727	FINISH PLUG FOR 1"SQ X 16 GA
16	8	914010	5/8UNC HEX STOVER NUT
17	1	164485	HOSE SUPPORT WLD 00
18	2	165828	FOLD CYL TRUNNION MT WLD '10
19	2	164491	1.000 SQ X 16GA X 124.00 C/L
20	2	121101	TRANSOM PIVOT BRG, TOP POLYGON
21	4	900086	5/16UNC X 2 1/4 HEX BOLT
22	4	914002	5/16UNC HEX STOVER NUT
23	2	914004	3/8UNC HEX STOVER NUT
24	2	164642	2.875 OD X 16GA X 18.00 C/L
25	2	164498	BOOM FOLD CYL PIN WLD 00
26	2	164496	LEVEL CYL PIN WLD, TRANSOM END
27	4	920008	1" SAE FLAT WASHER
28	2	621558	HYD CYL, 3.00 X 11.00 X 1.380
29	2	621560	HYD CYL, 2.50 X 21.00 X 1.380
30	8	900333	5/8UNC X 1 1/2 HEX BOLT
31	2	900129	3/8UNC X 1" SERR FLANGE BOLT
32	2	164641	1.750 OD X 14GA X 3.81 C/L
33	2	165027	ACCUMULATOR MT, GST-ST5 07
34	2	470444	ACCUMULATOR, 30CI 1508 PSI
35	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO
36	2	618743	3/4MOR-3/4MJIC BLKHD,.040MFMO
37	2	618744	3/4-16 BULKHEAD LOCKNUT
38	4	470087	3/8UNC HEX FLANGE LOCK NUT
39	4	900130	3/8UNC X 1 1/4 SER FLANGE BOLT
40	1	291902	RH WORKLIGHT, TRAPEZOID GLASS
41	1	291903	LH WORKLIGHT, TRAPEZOID GLASS
42	1	292512	RH WORKLIGHT,LED TRAP,HMC MT
43	1	292513	LH WORKLIGHT,LED TRAP,HMC MT



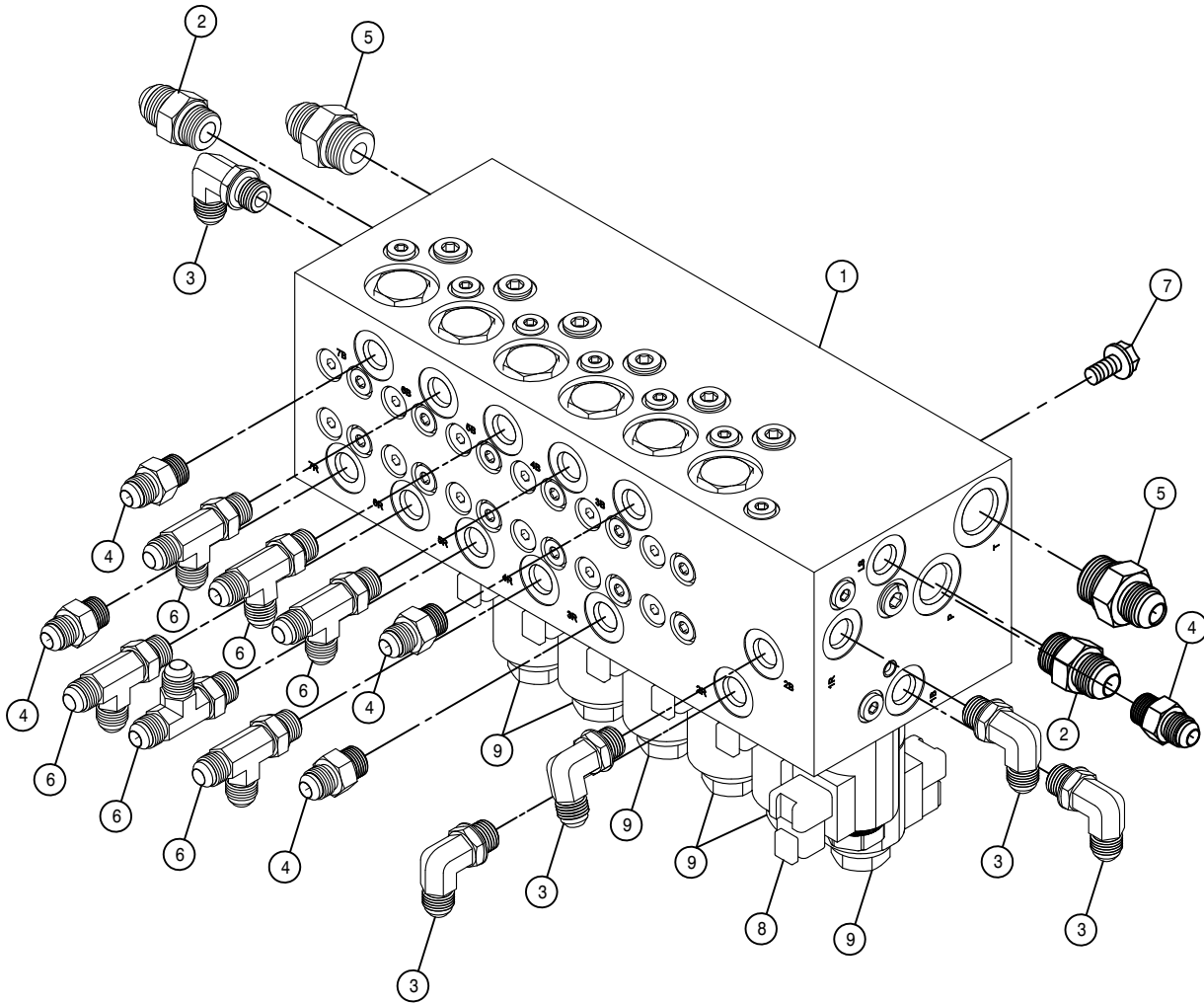
4



BOOM MANIFOLD ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

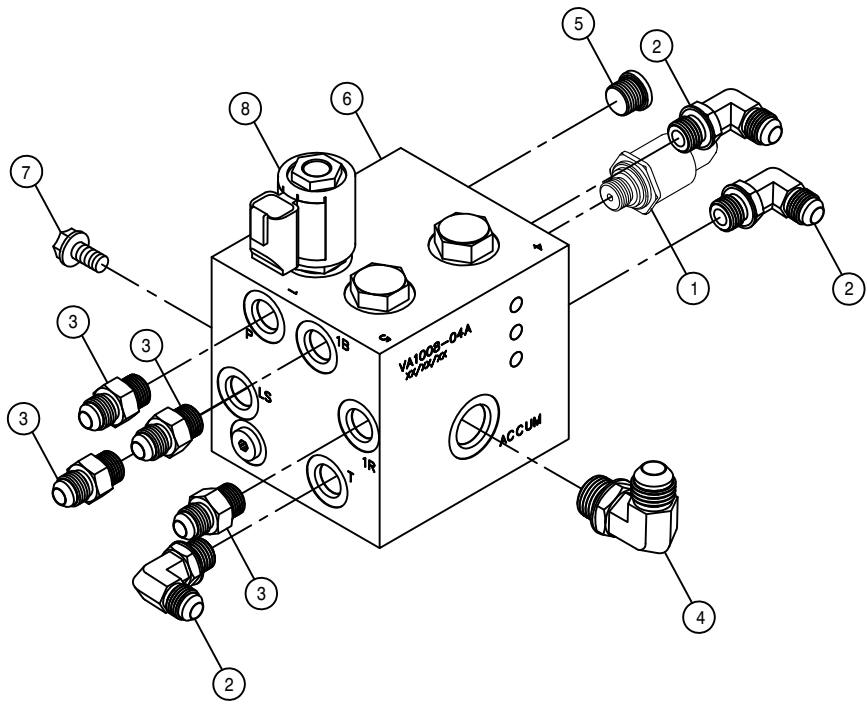
1	1	606272	VALVE, LOAD SENSE BOOM SAUER
2	1	611125	3/4MJIC-3/4MOR ADPTR
3	4	618119	9/16MJIC-90-9/16MOR LBO
4	9	618126	9/16MJIC-9/16MOR ADPTR
5	1	618327	3/4MJIC-7/8MOR ADPTR
6	2	618444	9/16MOR RUN TEE-9/16MJIC
7	4	900128	3/8UNC X 3/4 HEX BOLT
8	1	606303	CARTRIDGE, SV10, FOR VLV 606272
9	6	606304	CARTRIDGE, PSV10, FOR VLV 606272



BOOM MANIFOLD ASSEMBLY 90/100, NORAC

DET. QTY PART NO. DESCRIPTION

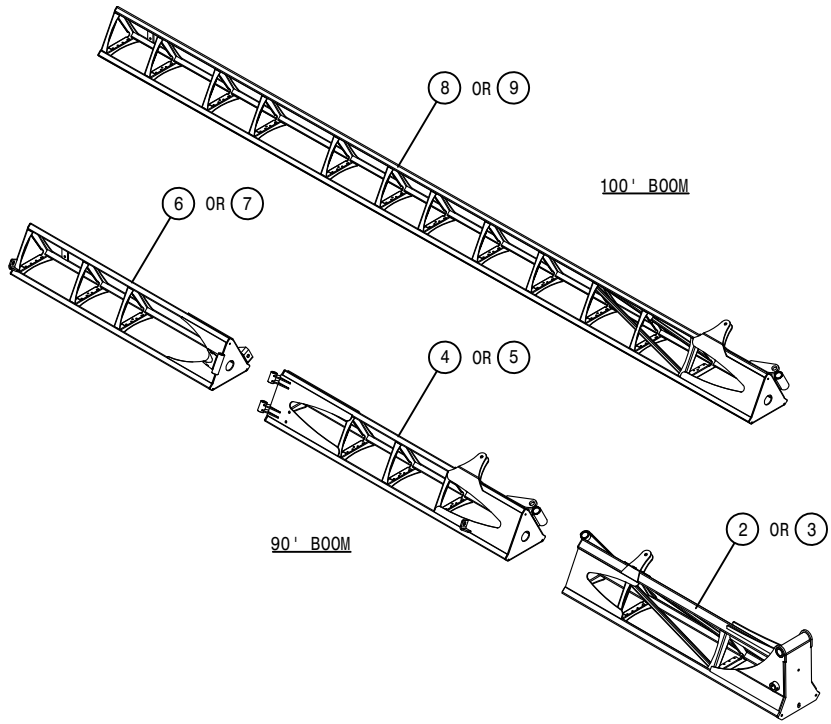
1	1	606272	VALVE, LOAD SENSE BOOM SAUER
2	2	611125	3/4MJIC-3/4MOR ADPTR
3	5	618119	9/16MJIC-90-9/16MOR LBO
4	5	618126	9/16MJIC-9/16MOR ADPTR
5	2	618327	3/4MJIC-7/8MOR ADPTR
6	6	618444	9/16MOR RUN TEE-9/16MJIC
7	4	900128	3/8UNC X 3/4 HEX BOLT
8	1	606303	CARTRIDGE, SV10, FOR VLV 606272
9	6	606304	CARTRIDGE, PSV10, FOR VLV 606272



BOOM BREAKAWAY MANIFOLD ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

1	1	606347	PRESSURE TRANSDUCER,7500PSI
2	3	618119	9/16MJIC-90-9/16MOR LBO
3	4	618126	9/16MJIC-9/16MOR ADPTR
4	1	618241	3/4MJIC-90-3/4MOR LBO
5	1	618754	9/16MOR PLUG, HEX SOCKET
6	1	606248	90'BREAKAWAY VLV,STS PWRSYS
7	2	900128	3/8UNC X 3/4 HEX BOLT
8	1	606266	#8 COIL W/DEUTSCH FOR 606210

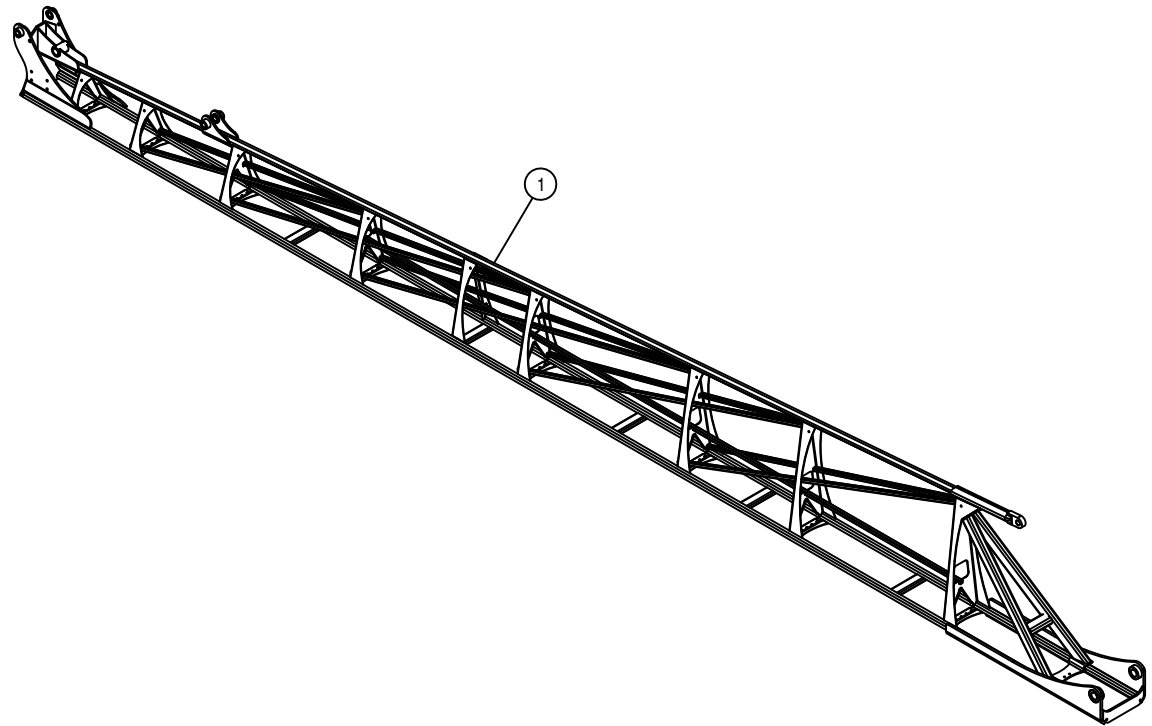


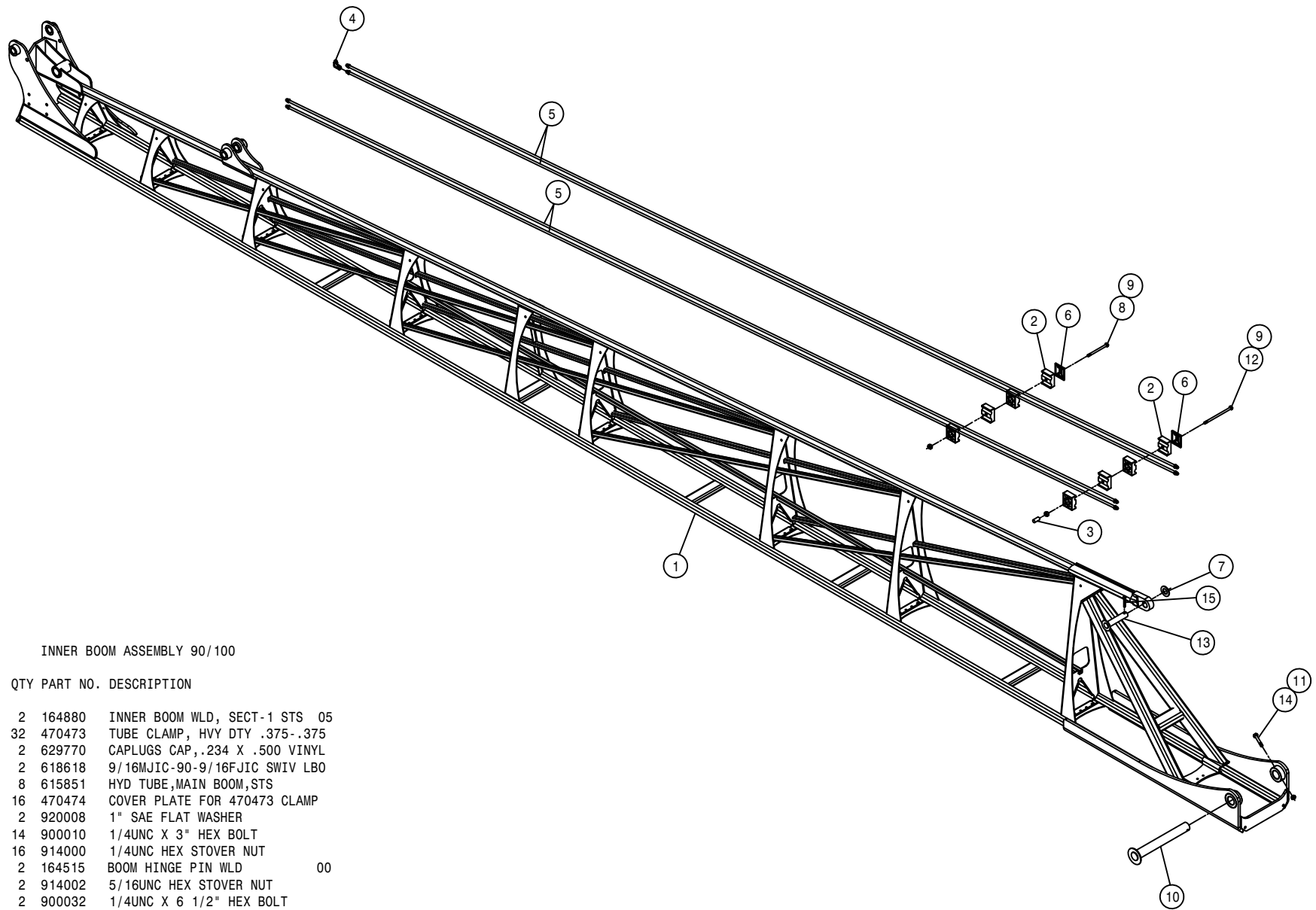
BOOM ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

1	2	164880	INNER BOOM WLD, SECT-1 STS 05
2	1	165800	RH FLDOVR BM WLD,100'SECT-2'10
3	1	165801	LH FLDOVR BM WLD,100'SECT-2'10
4	1	164971	RH BREAKAWAY BM WLD,SCT-3 '13
5	1	164973	LH BREAKAWAY BM WLD,SCT-3 '13
6	1	164970	RH 90' BOOM TIP WLD,SCT-4 '13
7	1	164975	LH 90' BOOM TIP WLD,SCT-4 '13
8	1	165815	RH BRKWAY BM WLD,100'SECT-3'10
9	1	165816	LH BRKWAY BM WLD,100'SECT-3'10

NOTE: QUANTITY LISTED IS FOR ONE MACHINE.



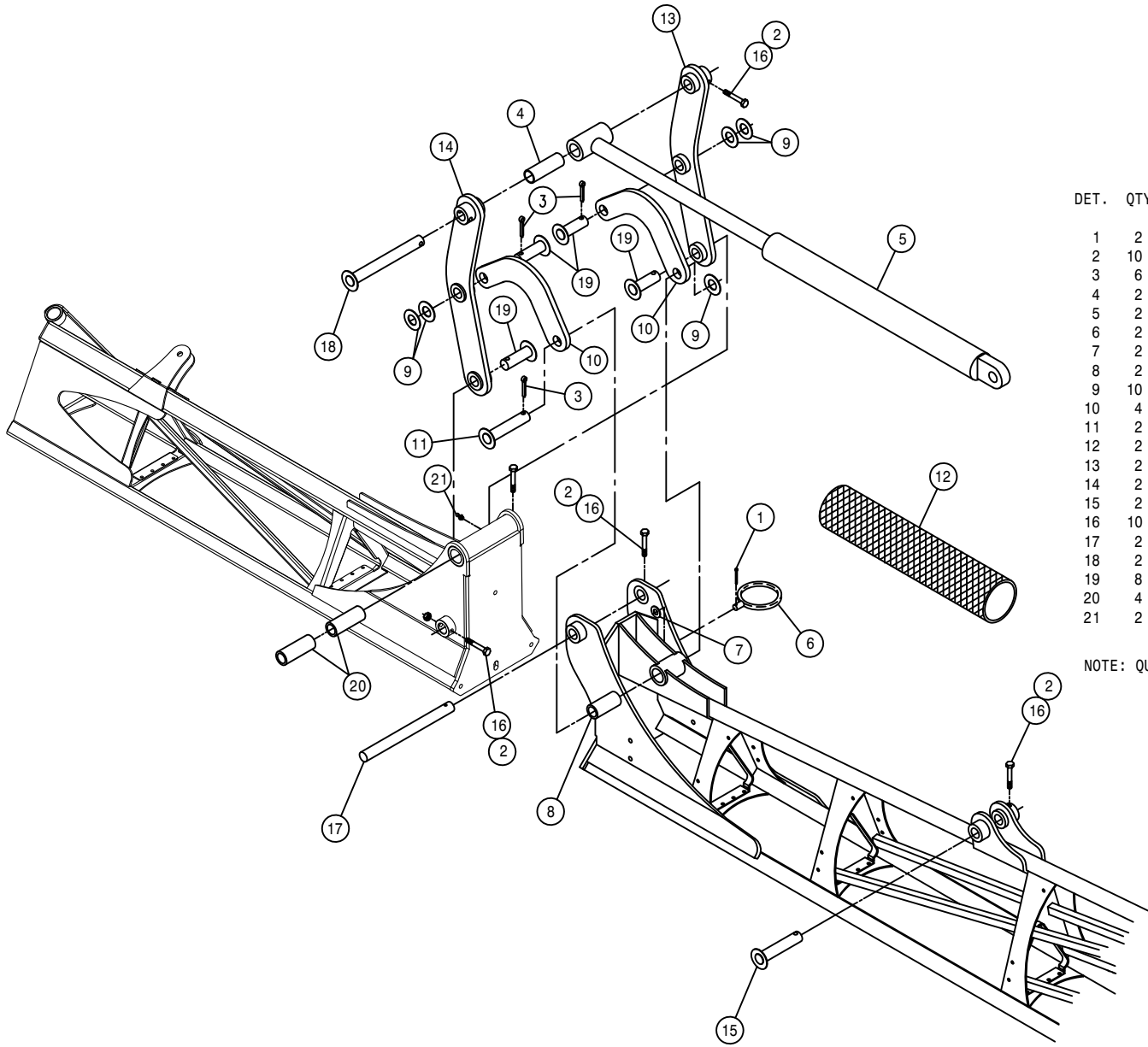


INNER BOOM ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

1	2	164880	INNER BOOM WLD, SECT-1 STS 05
2	32	470473	TUBE CLAMP, HVY DTY .375-.375
3	2	629770	CAPPLUGS CAP,.234 X .500 VINYL
4	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO
5	8	615851	HYD TUBE,MAIN BOOM,STS
6	16	470474	COVER PLATE FOR 470473 CLAMP
7	2	920008	1" SAE FLAT WASHER
8	14	900010	1/4UNC X 3" HEX BOLT
9	16	914000	1/4UNC HEX STOVER NUT
10	2	164515	BOOM HINGE PIN WLD 00
11	2	914002	5/16UNC HEX STOVER NUT
12	2	900032	1/4UNC X 6 1/2" HEX BOLT
13	2	164500	LEVEL CYL PIN WLD,SHAFT END,00
14	2	900073	5/16UNC X 3 1/4 HEX BOLT
15	2	470012	COTTER PIN 5/16 X 2" LG,316 SS

NOTE: QUANTITY LISTED IS FOR ONE MACHINE.



BOOM HINGE ASSEMBLY 90/100

DET.	QTY	PART NO.	DESCRIPTION
1	2	390984	COTTER PIN 1/8 X 1 1/4
2	10	914002	5/16UNC HEX STOVER NUT
3	6	470012	COTTER PIN 5/16 X 2" LG,316 SS
4	2	121108	BEARING,1.00-1.25-3.75 POLYGON
5	2	621562	HYD CYL, 2.25 X 21.00 X 1.380
6	2	164517	HOSE SUPPORT RING WLD 00
7	2	920004	1/2 SAE FLAT WASHER
8	2	121121	BEARING,1.00-1.36-3.60 POLYGON
9	10	920008	1" SAE FLAT WASHER
10	4	164643	XK402 TOP ARM(LEFT) 10.35 CNTR
11	2	165834	PIN WLD, 1.00 X 5.14
12	2	470378	SIDEWINDER SLEEVE,14.06 X 21"
13	2	165836	RH FOLD-OVER BOOMERANG WLD
14	2	165837	LH FOLD-OVER BOOMERANG WLD
15	2	164522	BOOM FOLD CYL PIN WLD 00
16	10	900086	5/16UNC X 2 1/4 HEX BOLT
17	2	164678	BOOM FOLD PIVOT PIN, STS 05
18	2	164520	BOOM CYL PIVOT PIN WLD 00
19	8	164524	BOOMERANG CNTR PVT PIN WLD 00
20	4	121106	BEARING,1.00-1.36-3.70 POLYGON
21	2	471005	GREASE ZERK, 1/4-28 X 1/2

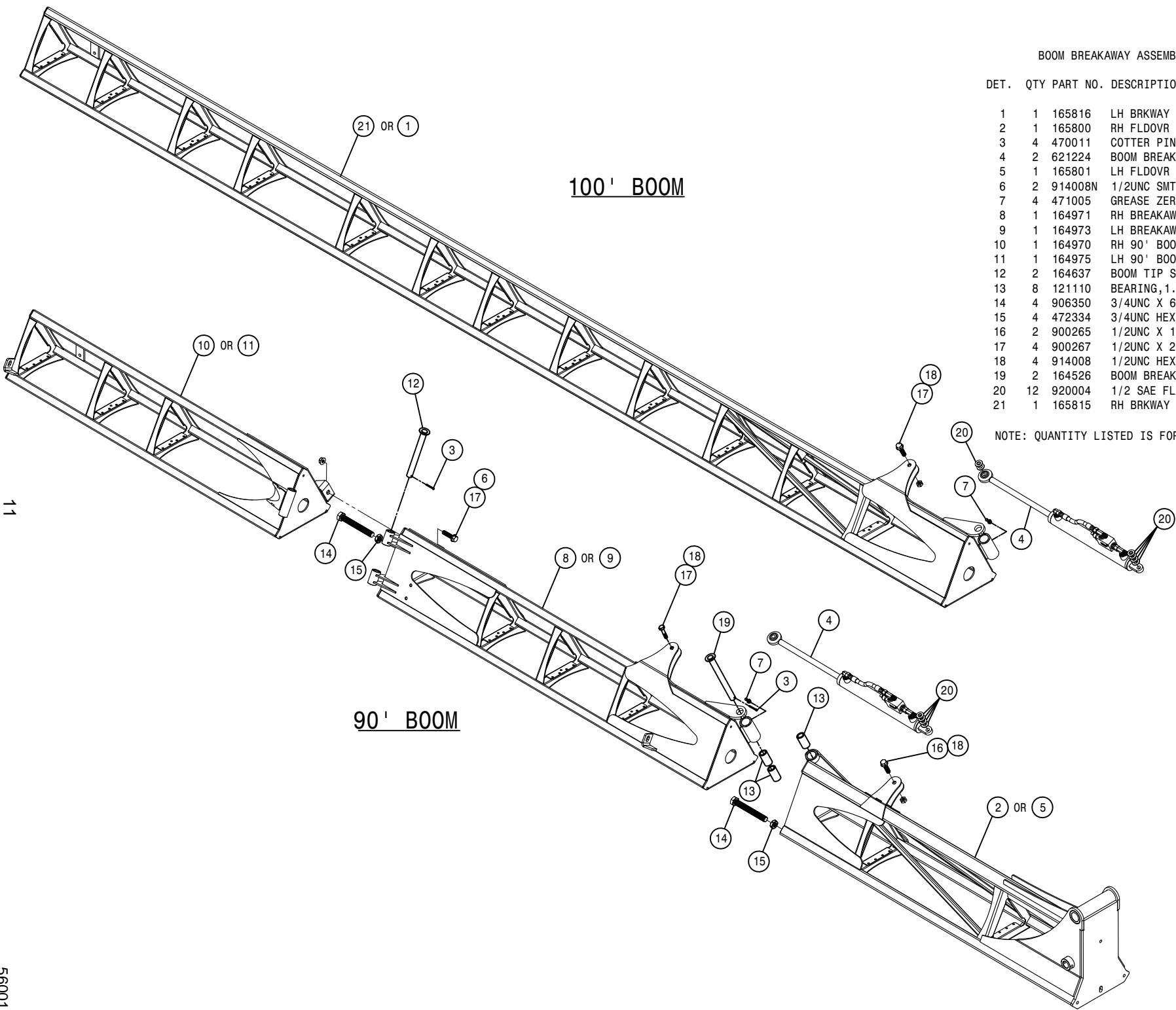
NOTE: QUANTITY LISTED IS FOR ONE MACHINE.

BOOM BREAKAWAY ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	1	165816	LH BRKWAY BM WLD,100'SECT-3' 10
2	1	165800	RH FLDOVR BM WLD,100'SECT-2' 10
3	4	470011	COTTER PIN 5/32 X 1 1/2,316 SS
4	2	621224	BOOM BREAKAWAY CYL ASSY STS' 13
5	1	165801	LH FLDOVR BM WLD,100'SECT-2' 10
6	2	914008N	1/2UNC SMTH FLANGE NUT
7	4	471005	GREASE ZERK, 1/4-28 X 1/2
8	1	164971	RH BREAKAWAY BM WLD,SCT-3 ' 13
9	1	164973	LH BREAKAWAY BM WLD,SCT-3 ' 13
10	1	164970	RH 90' BOOM TIP WLD,SCT-4 ' 13
11	1	164975	LH 90' BOOM TIP WLD,SCT-4 ' 13
12	2	164637	BOOM TIP SECTION PIN WLD 00
13	8	121110	BEARING,1.00-1.23-2.00 POLYGON
14	4	906350	3/4UNC X 6" HEX BOLT FULL
15	4	472334	3/4UNC HEX JAM NUT
16	2	900265	1/2UNC X 1 1/2 HEX BOLT
17	4	900267	1/2UNC X 2" HEX BOLT
18	4	914008	1/2UNC HEX STOVER NUT
19	2	164526	BOOM BREAKAWAY PVT PIN WLD 00
20	12	920004	1/2 SAE FLAT WASHER
21	1	165815	RH BRKWAY BM WLD,100'SECT-3' 10

NOTE: QUANTITY LISTED IS FOR ONE MACHINE.

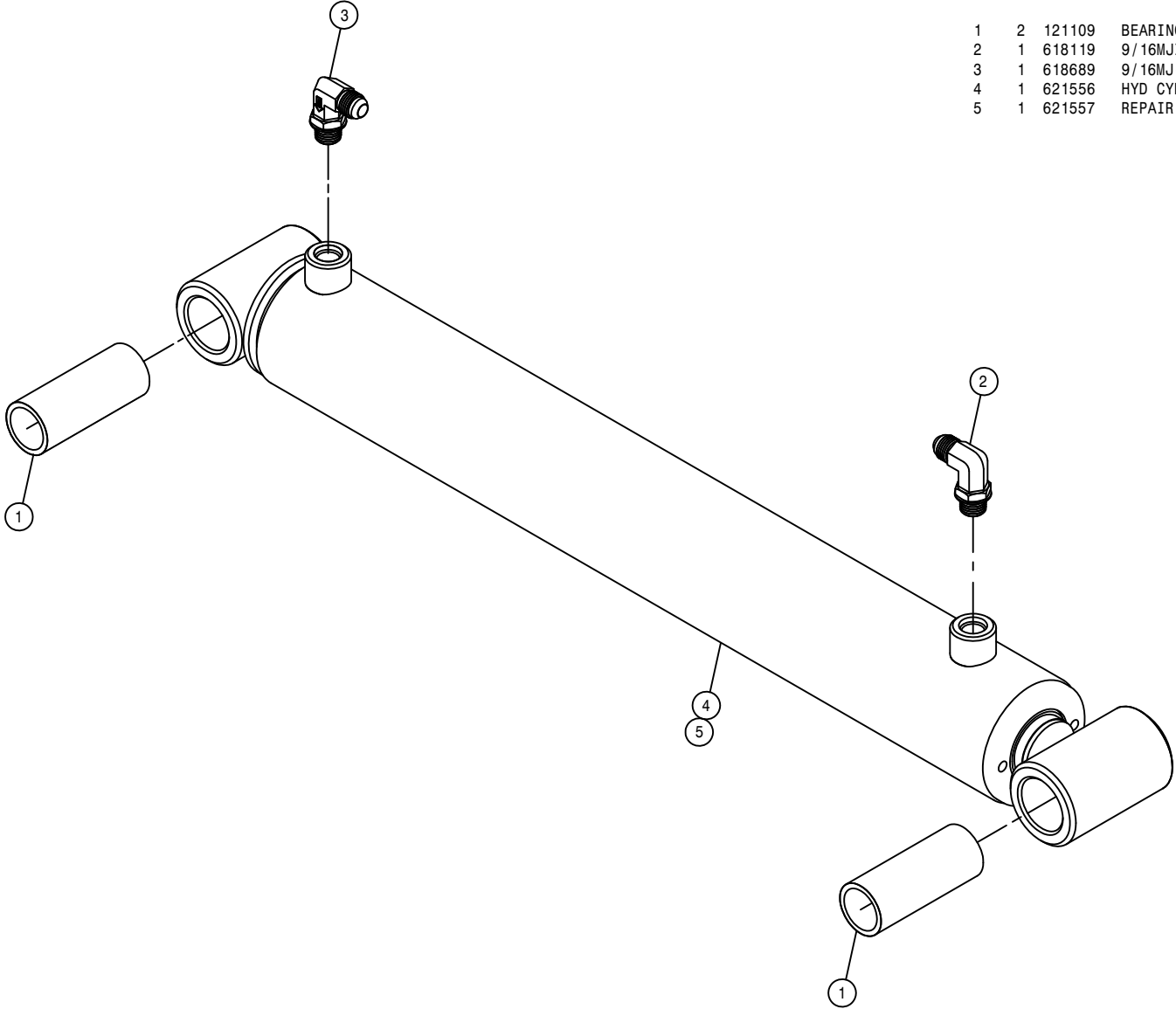


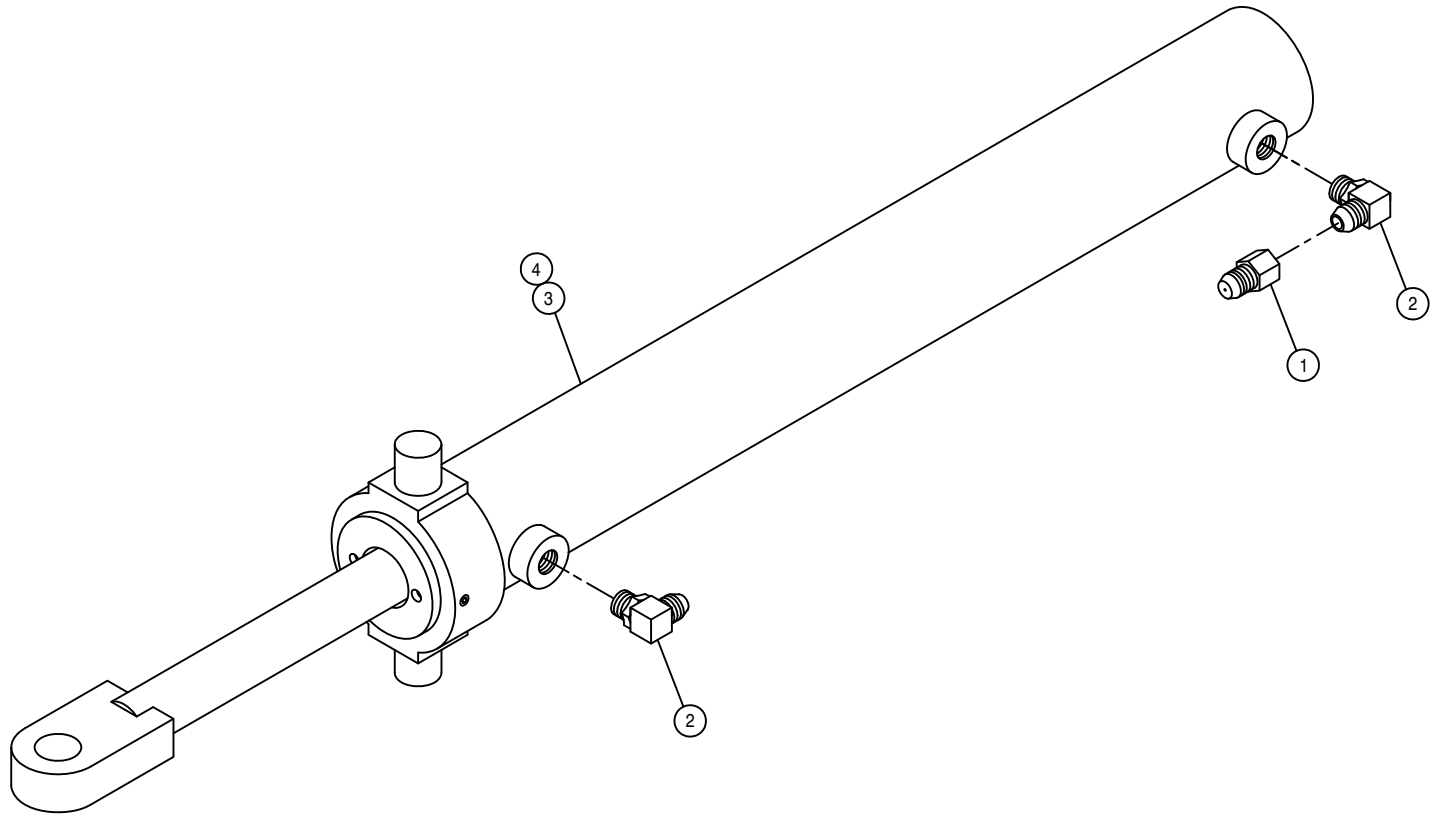
11

560011

LIFT CYLINDER ASSEMBLY 90/100

DET.	QTY	PART NO.	DESCRIPTION
1	2	121109	BEARING,1.00-1.25-3.13 POLYGON
2	1	618119	9/16MJIC-90-9/16MOR LBO
3	1	618689	9/16MJ-90-9/16MOR .042 CHK VLV
4	1	621556	HYD CYL, 2.50 X 18.00 X 1.500
5	1	621557	REPAIR KIT,HYD CYL 621556





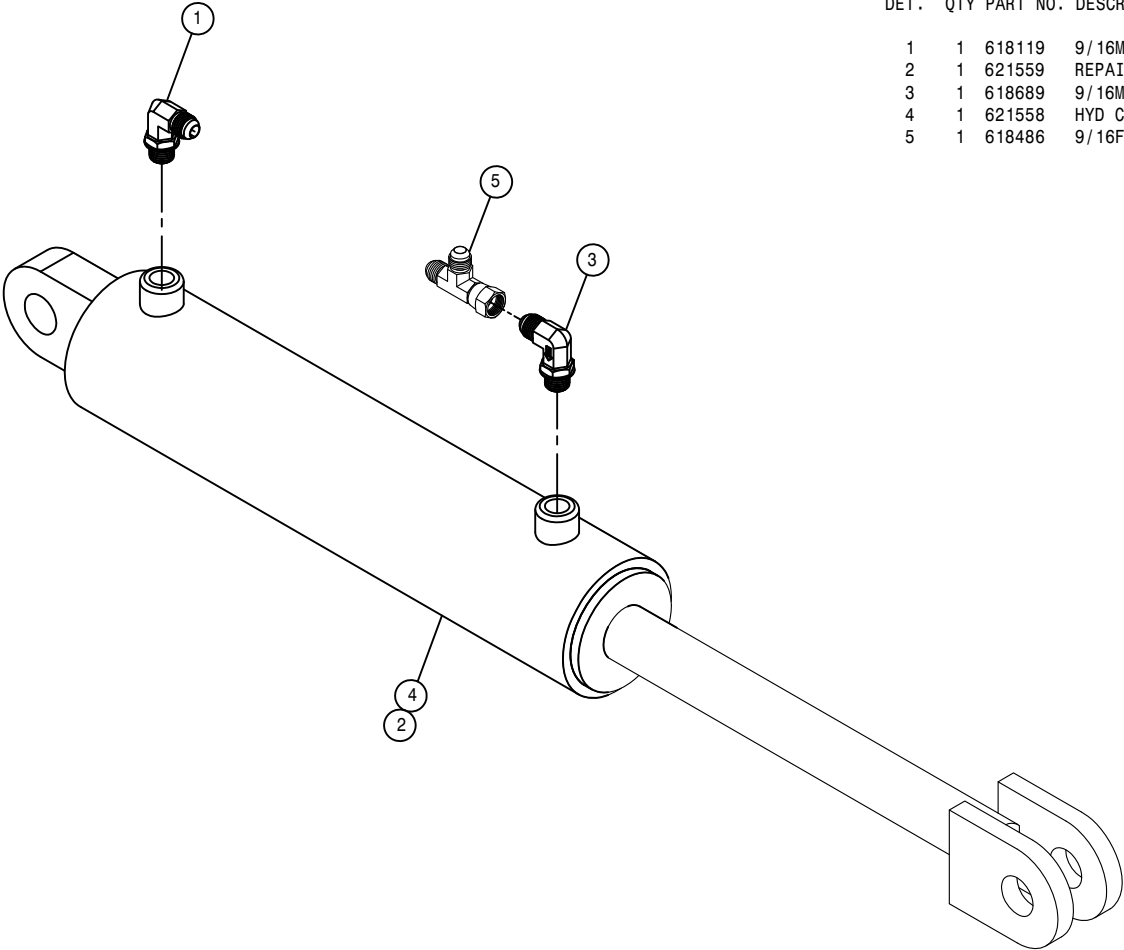
BOOM FOLD CYLINDER ASSEMBLY 90/100

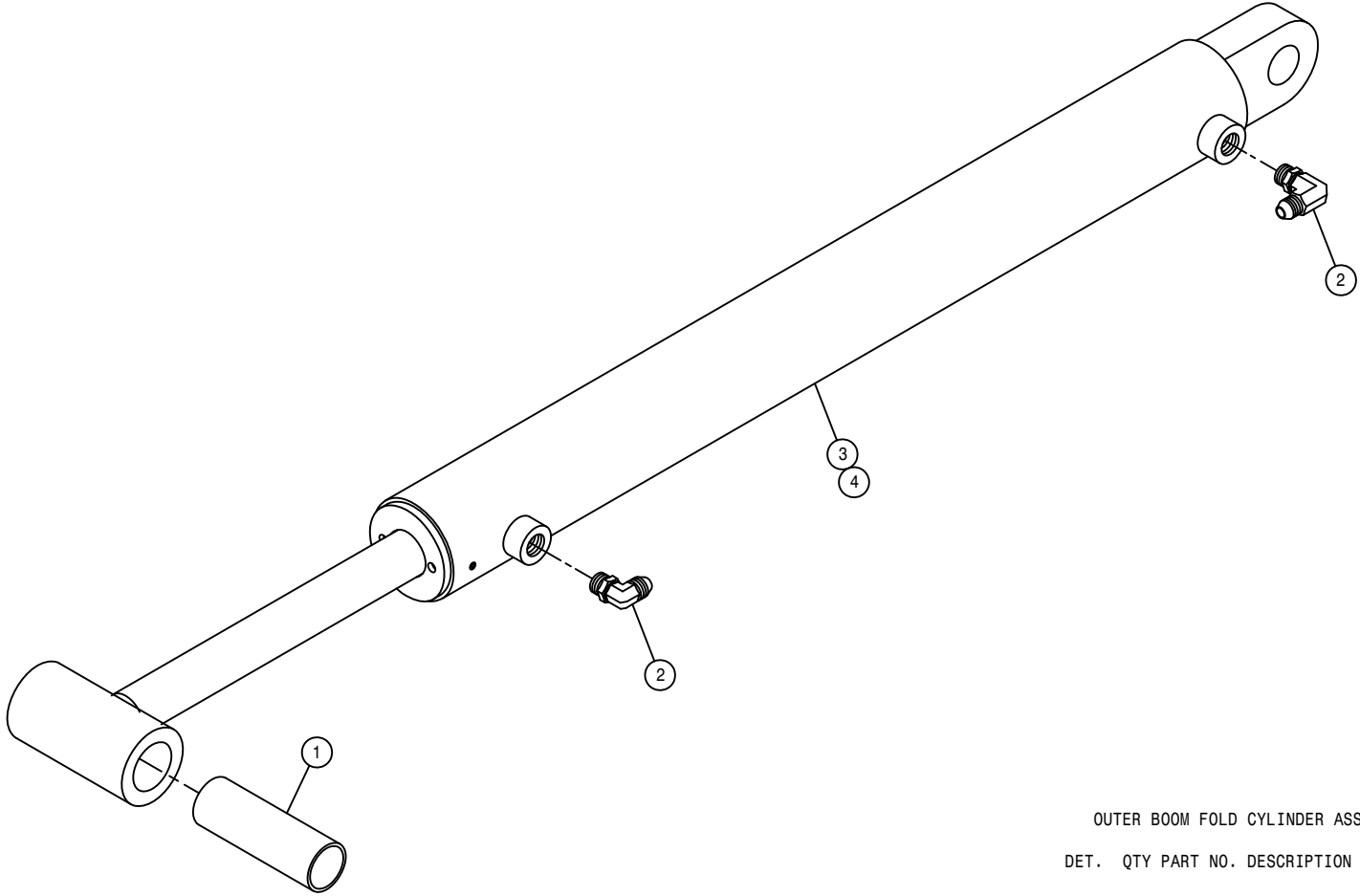
DET.	QTY	PART NO.	DESCRIPTION
	1	618733	9/16JIC .042 ORIFICE ADPTR
	2	618119	9/16MJIC-90-9/16MOR LBO
	1	621560	HYD CYL, 2.50 X 21.00 X 1.380
	1	621561	REPAIR KIT, HYD CYL 621560

BOOM LEVEL CYLINDER ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

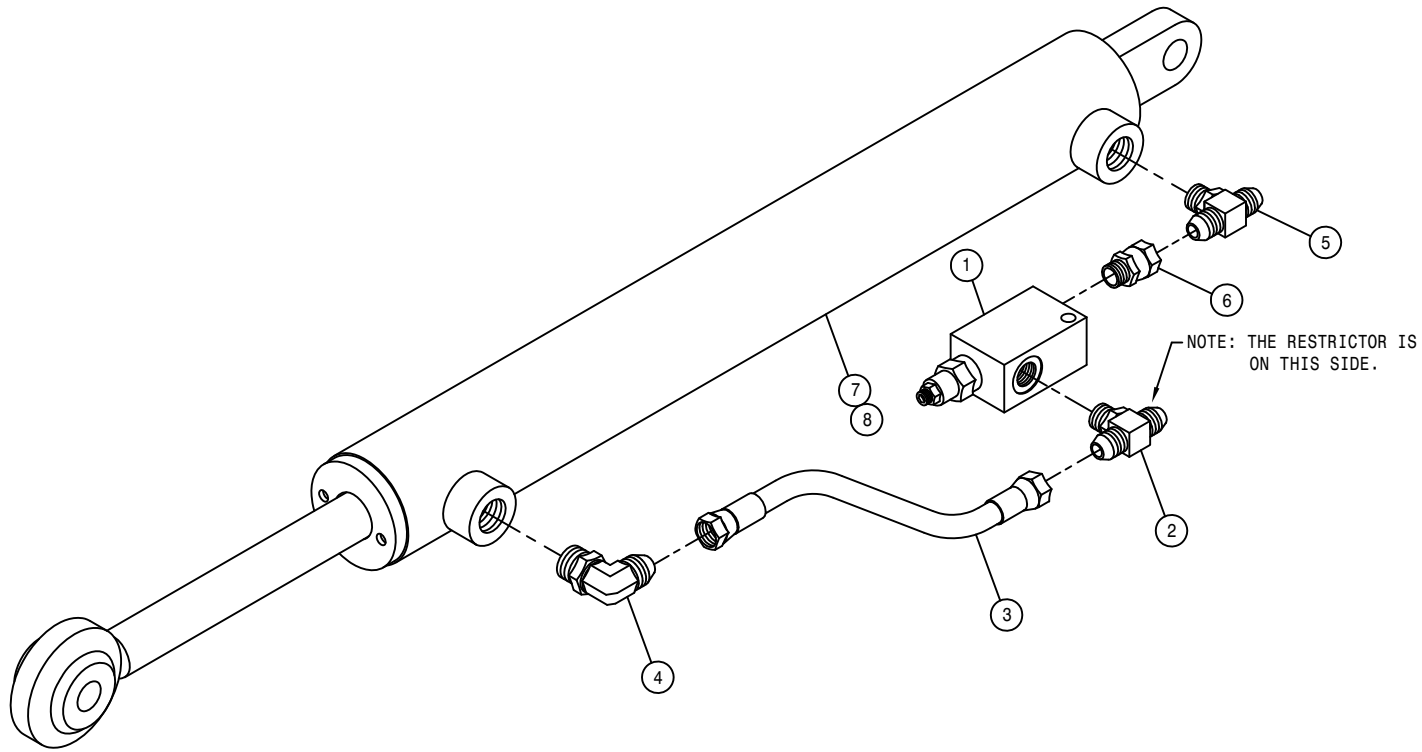
1	1	618119	9/16MJIC-90-9/16MOR LBO
2	1	621559	REPAIR KIT, HYD CYL 621558
3	1	618689	9/16MJ-90-9/16MOR .042 CHK VLV
4	1	621558	HYD CYL, 3.00 X 11.00 X 1.380
5	1	618486	9/16FJIC SW RUN TEE-9/16MJIC





OUTER BOOM FOLD CYLINDER ASSEMBLY 90/100

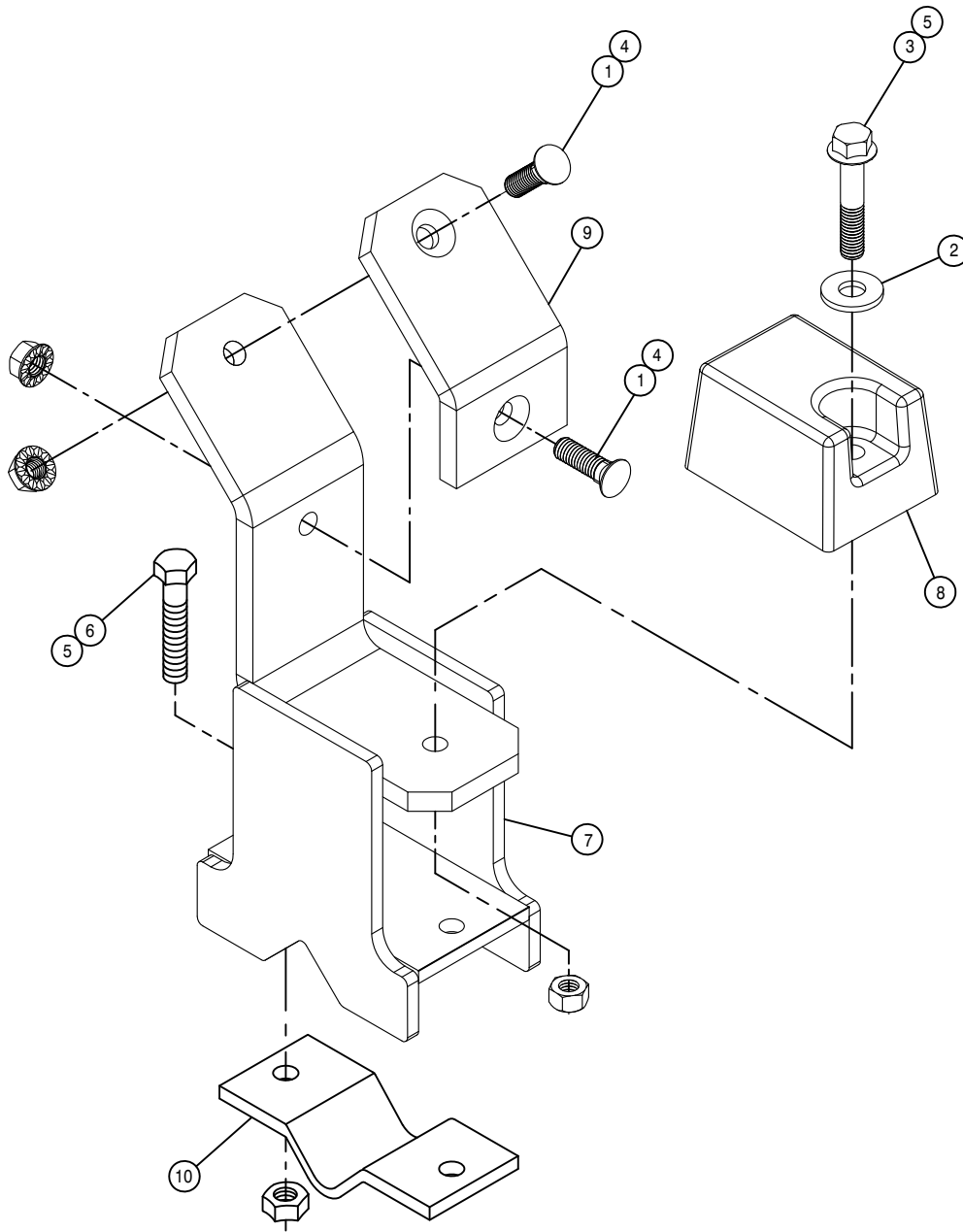
DET.	QTY	PART NO.	DESCRIPTION
1	1	121108	BEARING,1.00-1.25-3.75 POLYGON
2	2	618688	9/16MJ-90-9/16MOR .025 CHK VLV
3	1	621562	HYD CYL, 2.25 X 21.00 X 1.380
4	1	621563	REPAIR KIT, HYD CYL 621562



BOOM BREAKAWAY CYLINDER ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

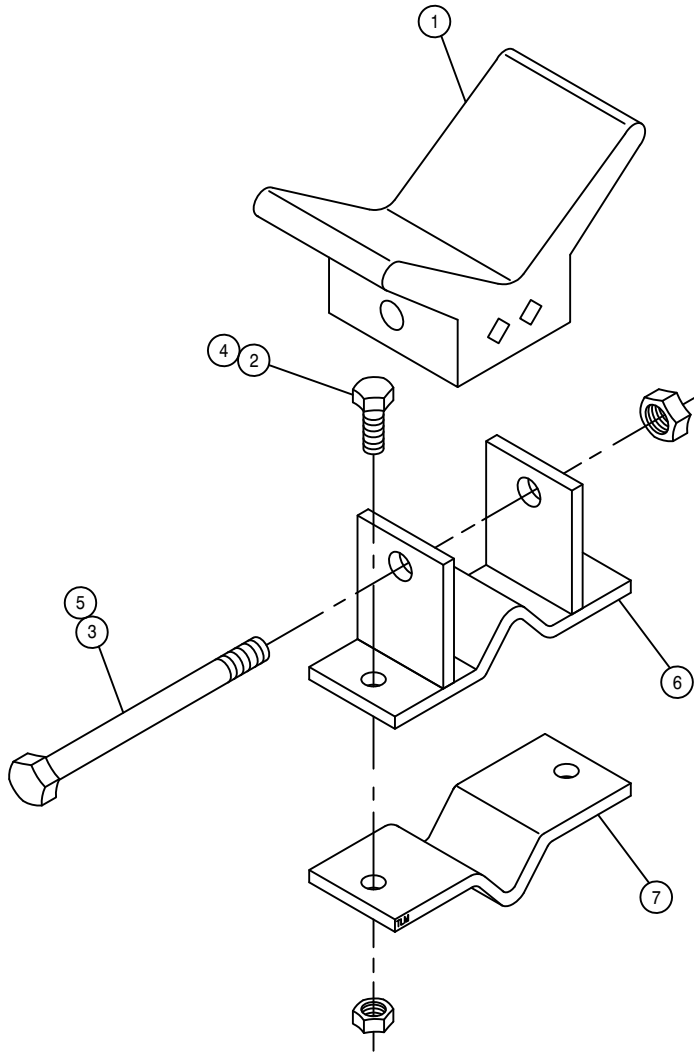
1	1	607540	KICK-DOWN RELIEF VALVE, 800PSI
2	1	614752	RESTRICTOR BR TEE ASSY, .042DIA
3	1	617054	04-451TC-06FJX-06FJX-11 H/A
4	1	618119	9/16MJIC-90-9/16MOR LBO
5	1	618629	9/16MOR BRANCH TEE-9/16MJIC
6	1	618668	9/16FJIC SWIV-9/16MOR ADPTR
7	1	621590	HYD CYL, 1.50 X 10.88 X .875
8	1	621591	REPAIR KIT, HYD CYL 621590



BOOM SUPPORT CRADLE ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

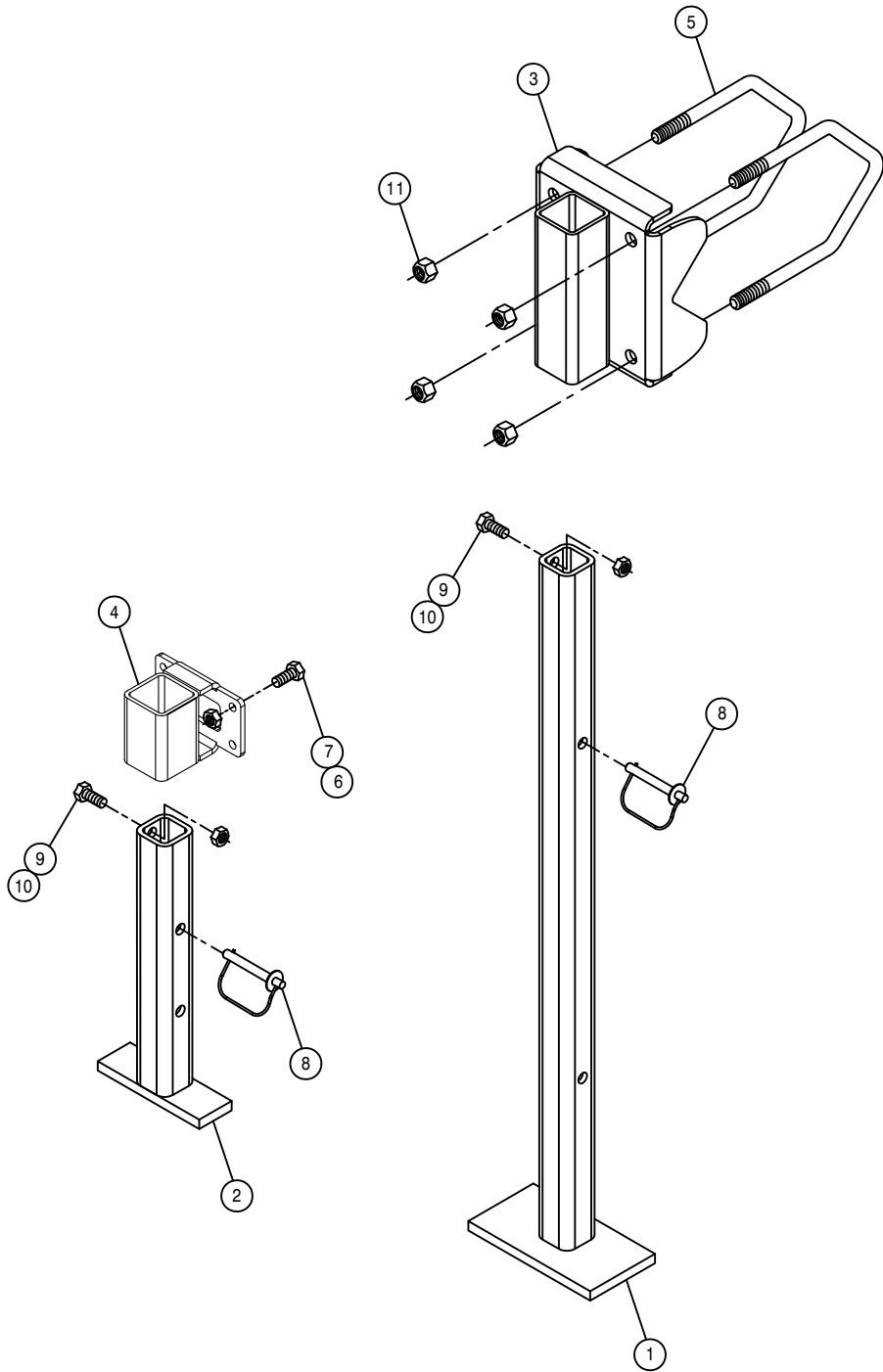
1	2	470328	3/8UNC X 1 1/4 #3HD PLOW BOLT
2	1	483043	3/8 REGULAR FLAT WASHER
3	1	900133	3/8UNC X 2" SERR FLANGE BOLT
4	2	470087	3/8UNC HEX FLANGE LOCK NUT
5	3	914004	3/8UNC HEX STOVER NUT
6	2	900170	3/8UNC X 2 1/4 SER FLANGE BOLT
7	1	164811	BOOM SUPP CRADLE WLD,80/90' 04
8	1	164541	BOOM SUPPORT PAD 00
9	1	164542	BOOM SUPPORT CRADLE PAD 00
10	1	164543	BOOM SUPPORT KEEPER 00



BOOM SUPPORT ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

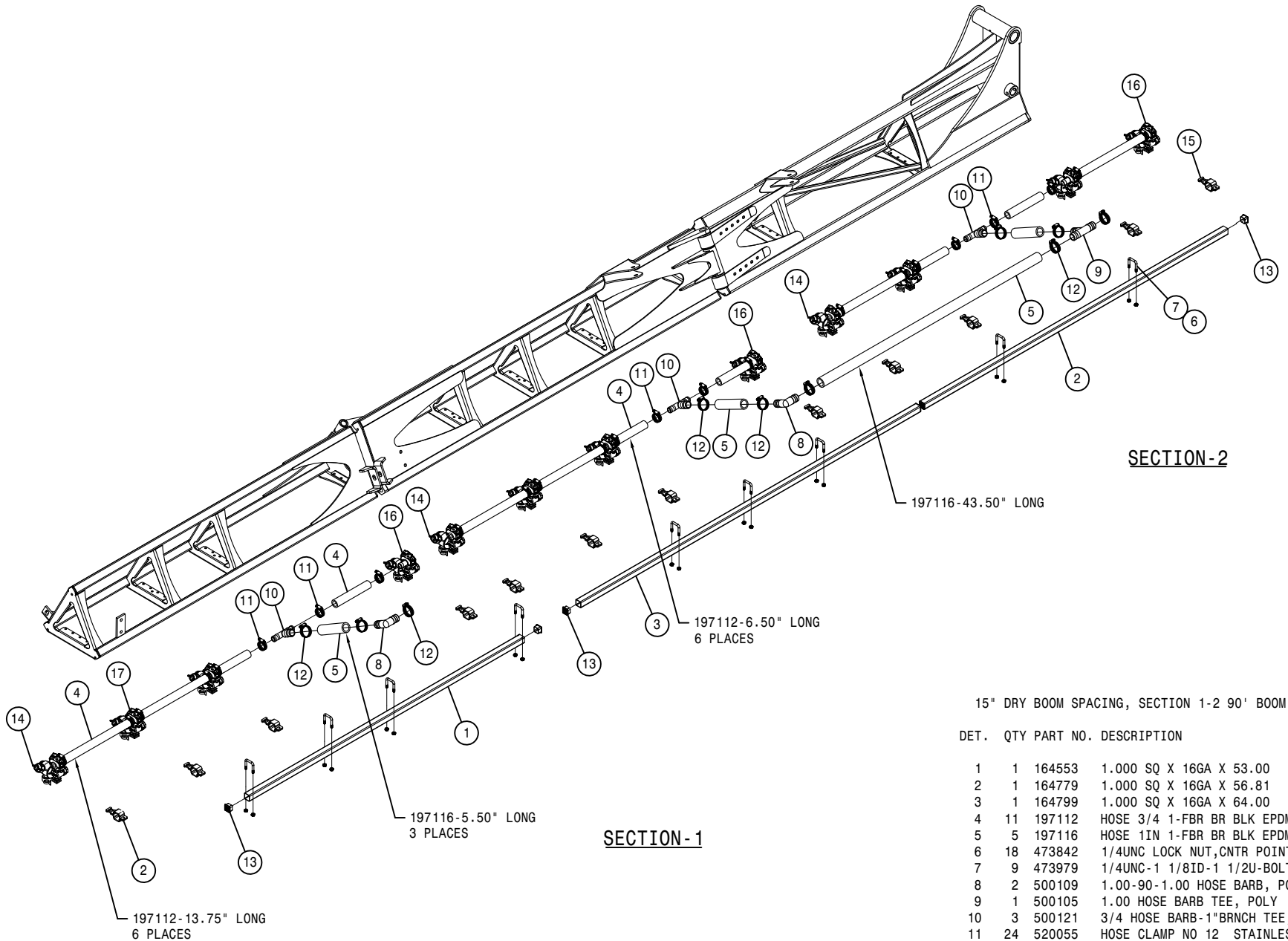
1	1	470324	3" RUBBER BOW GUARD		
2	2	900130	3/8UNC X 1 1/4 SER FLANGE BOLT		
3	1	900273	1/2UNC X 3 3/4 HEX BOLT		
4	2	914004	3/8UNC HEX STOVER NUT		
5	1	914008	1/2UNC HEX STOVER NUT		
6	1	164544	FRT BOOM SUPP WLD,90' BOOM	00	
7	1	164545	FRT BOOM SUPPORT MT	00	



BOOM STAND OPTION 90/100

DET. QTY PART NO. DESCRIPTION

1	2	164787	TRANSOM STAND POST WLD, STS 04
2	2	164794	BOOM STAND POST WLD, STS 04
3	2	164855	TRANSOM STAND MT WLD, STS 05
4	2	164857	MAIN BOOM JACKSTAND WLD, STS 05
5	4	438293	5/8UNC X 6 1/4 CTR U-BOLT TRI
6	8	470087	3/8UNC HEX FLANGE LOCK NUT
7	8	470329	3/8UNC X 1 1/4 SER FLANGE BOLT
8	4	470361	SNAP LOCK PIN, 1/2 X 3 1/2
9	4	900263	1/2UNC X 1" HEX BOLT
10	4	914008	1/2UNC HEX STOVER NUT
11	8	914010	5/8UNC HEX STOVER NUT

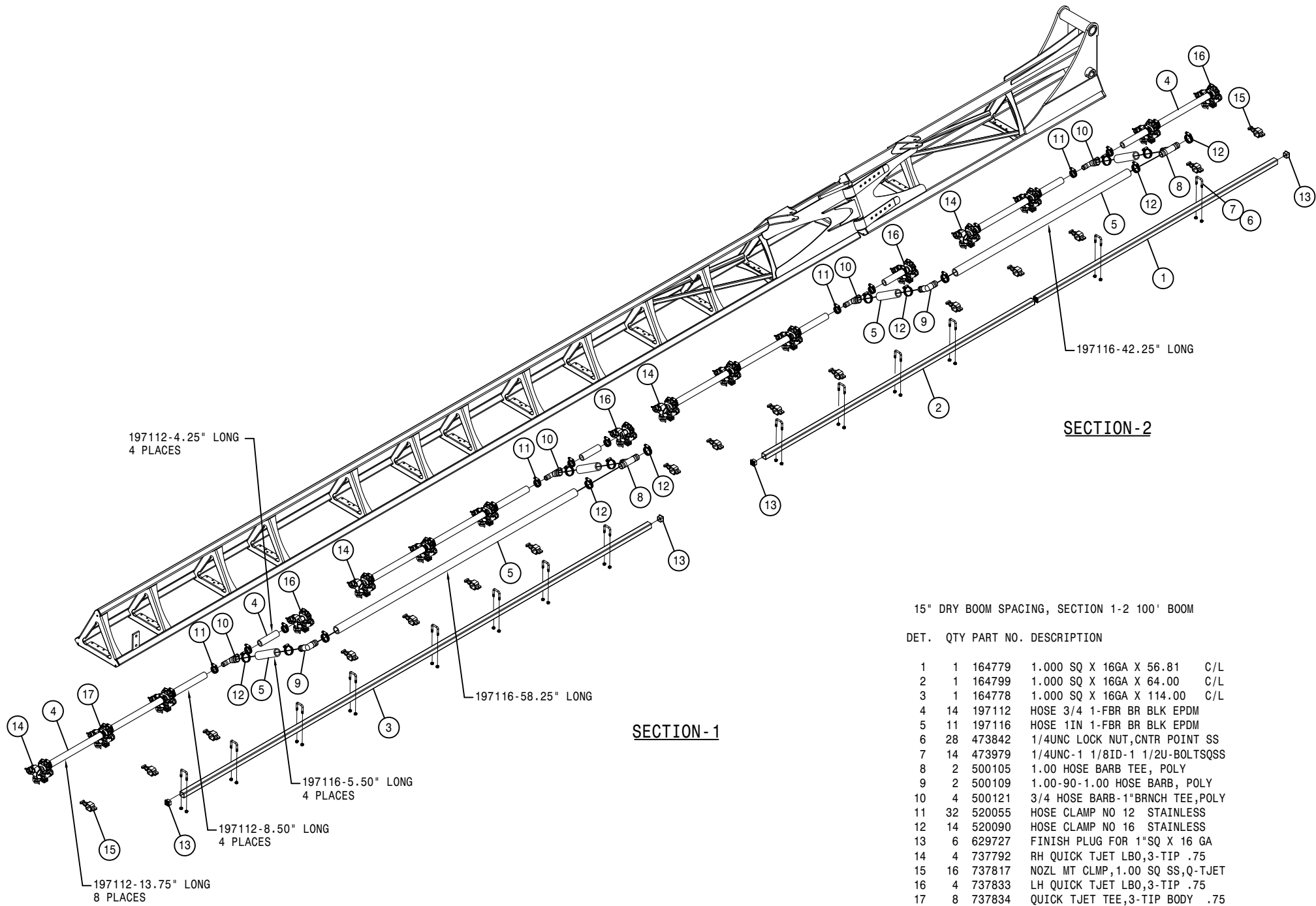


SECTION-2

SECTION-1

15" DRY BOOM SPACING, SECTION 1-2 90' BOOM

DET.	QTY	PART NO.	DESCRIPTION	
1	1	164553	1.000 SQ X 16GA X 53.00	C/L
2	1	164779	1.000 SQ X 16GA X 56.81	C/L
3	1	164799	1.000 SQ X 16GA X 64.00	C/L
4	11	197112	HOSE 3/4 1-FBR BR BLK EPDM	
5	5	197116	HOSE 1IN 1-FBR BR BLK EPDM	
6	18	473842	1/4UNC LOCK NUT,CNTR POINT SS	
7	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS	
8	2	500109	1.00-90-1.00 HOSE BARB, POLY	
9	1	500105	1.00 HOSE BARB TEE, POLY	
10	3	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY	
11	24	520055	HOSE CLAMP NO 12 STAINLESS	
12	10	520090	HOSE CLAMP NO 16 STAINLESS	
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA	
14	3	737792	RH QUICK TJET LBO,3-TIP .75	
15	12	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET	
16	3	737833	LH QUICK TJET LBO,3-TIP .75	
17	6	737834	QUICK TJET TEE,3-TIP BODY .75	

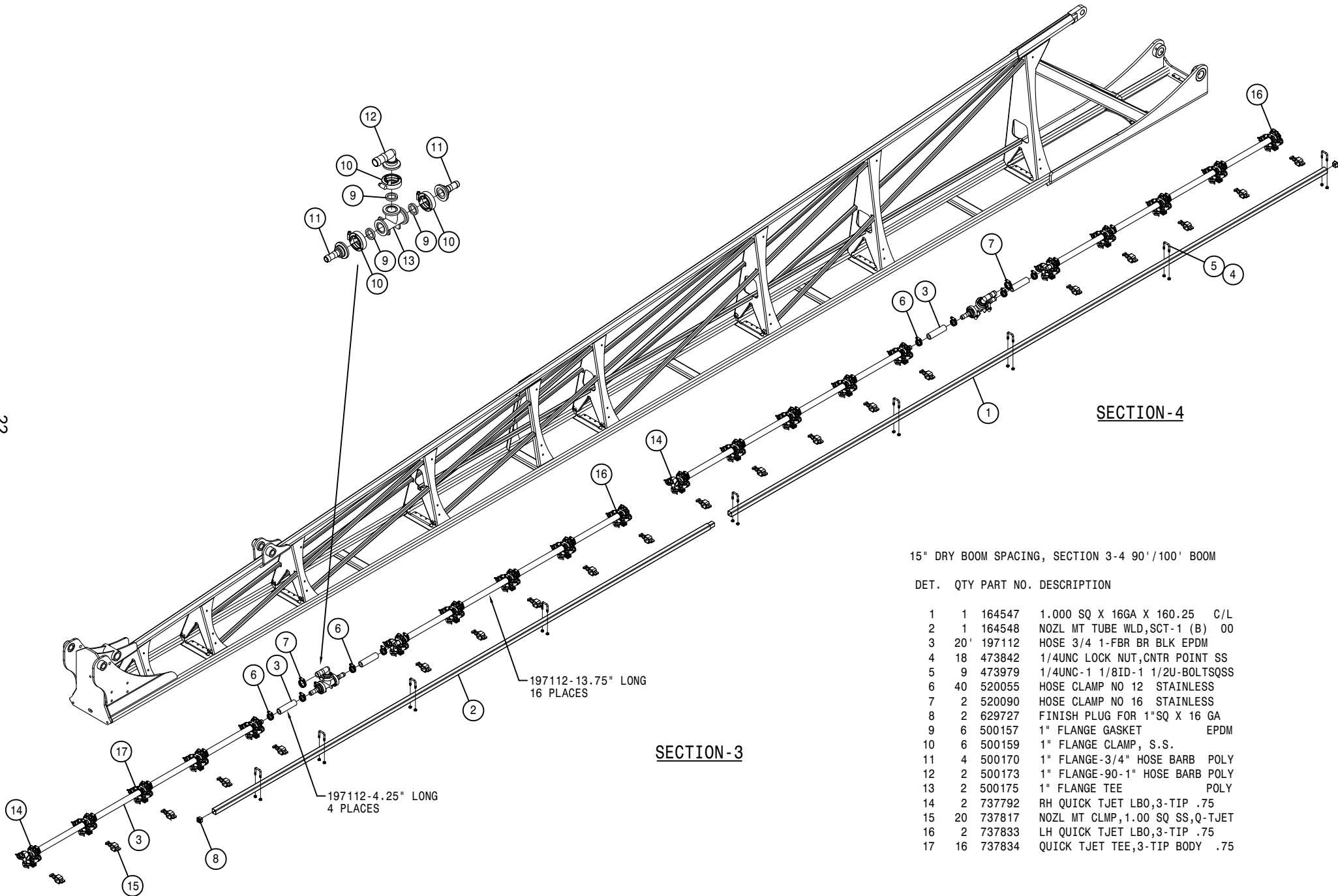


SECTION-2

SECTION-1

15" DRY BOOM SPACING, SECTION 1-2 100' BOOM

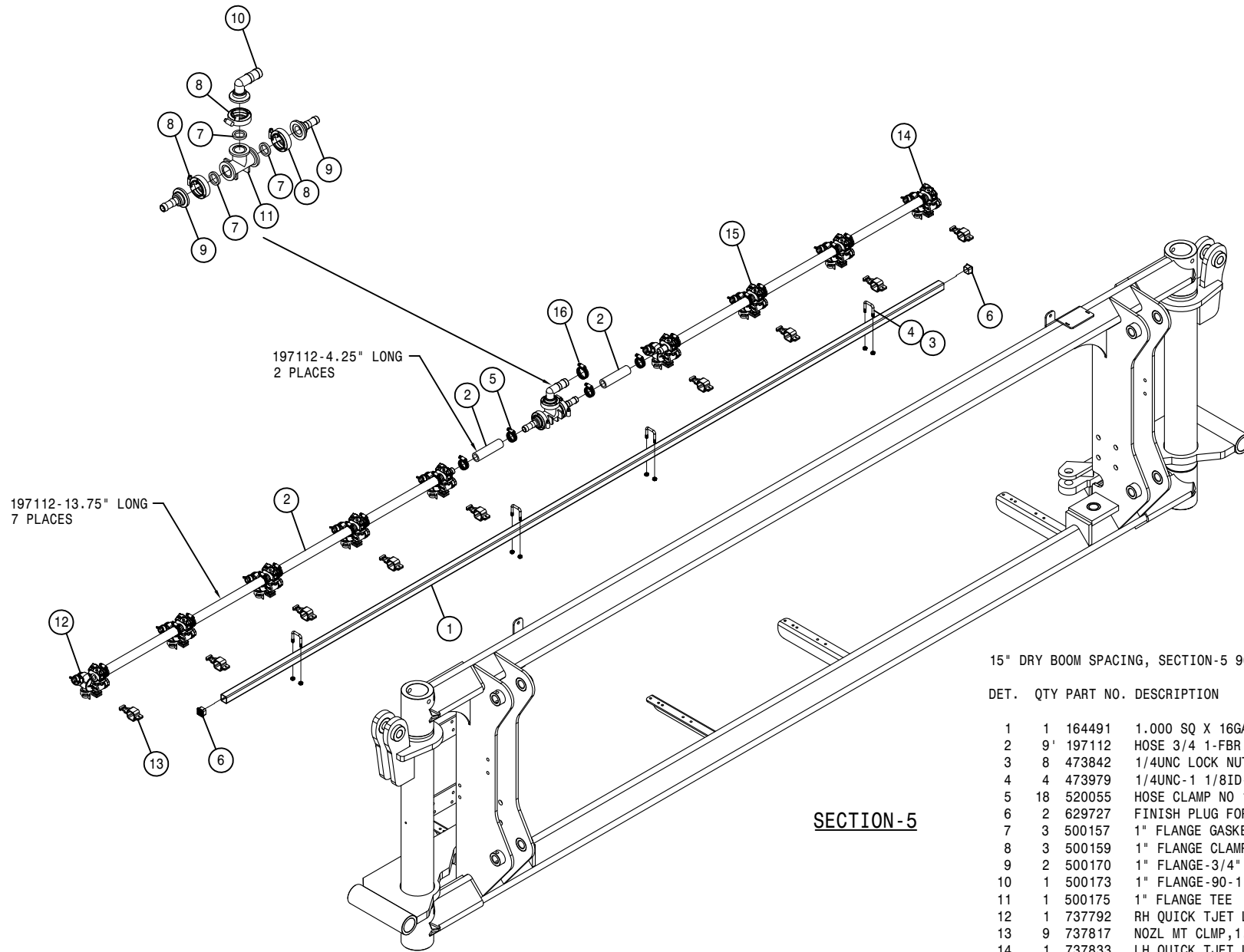
DET.	QTY	PART NO.	DESCRIPTION
1	1	164779	1.000 SQ X 16GA X 56.81 C/L
2	1	164799	1.000 SQ X 16GA X 64.00 C/L
3	1	164778	1.000 SQ X 16GA X 114.00 C/L
4	14	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	11	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	28	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	14	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	2	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	4	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	32	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP .75
15	16	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	4	737833	LH QUICK TJET LBO,3-TIP .75
17	8	737834	QUICK TJET TEE,3-TIP BODY .75



15" DRY BOOM SPACING, SECTION 3-4 90'/100' BOOM

DET. QTY PART NO. DESCRIPTION

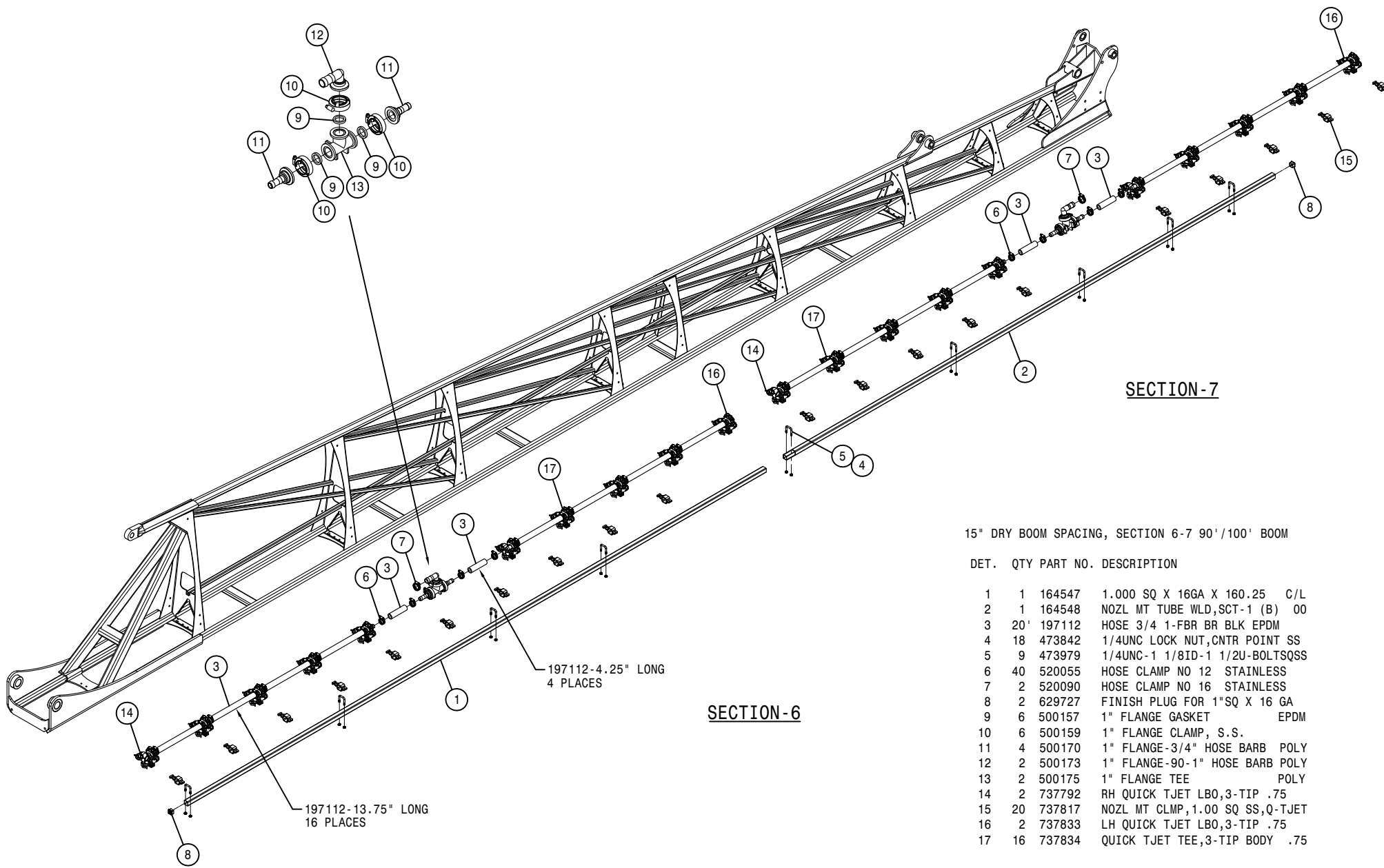
1	1	164547	1.000 SQ X 16GA X 160.25	C/L
2	1	164548	NOZL MT TUBE WLD,SCT-1 (B)	00
3	20'	197112	HOSE 3/4 1-FBR BR BLK EPDM	
4	18	473842	1/4UNC LOCK NUT,CNTR POINT SS	
5	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS	
6	40	520055	HOSE CLAMP NO 12 STAINLESS	
7	2	520090	HOSE CLAMP NO 16 STAINLESS	
8	2	629727	FINISH PLUG FOR 1"SQ X 16 GA	
9	6	500157	1" FLANGE GASKET	EPDM
10	6	500159	1" FLANGE CLAMP, S.S.	
11	4	500170	1" FLANGE-3/4" HOSE BARB POLY	
12	2	500173	1" FLANGE-90-1" HOSE BARB POLY	
13	2	500175	1" FLANGE TEE	POLY
14	2	737792	RH QUICK TJET LBO,3-TIP .75	
15	20	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET	
16	2	737833	LH QUICK TJET LBO,3-TIP .75	
17	16	737834	QUICK TJET TEE,3-TIP BODY .75	



15" DRY BOOM SPACING, SECTION-5 90' / 100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
	1	164491	1.000 SQ X 16GA X 124.00 C/L
	2	9'	197112 HOSE 3/4 1-FBR BR BLK EPDM
	3	473842	1/4UNC LOCK NUT,CNTR POINT SS
	4	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
	5	520055	HOSE CLAMP NO 12 STAINLESS
	6	2	629727 FINISH PLUG FOR 1"SQ X 16 GA
	7	3	500157 1" FLANGE GASKET EPDM
	8	3	500159 1" FLANGE CLAMP, S.S.
	9	2	500170 1" FLANGE-3/4" HOSE BARB POLY
	10	1	500173 1" FLANGE-90-1" HOSE BARB POLY
	11	1	500175 1" FLANGE TEE POLY
	12	1	737792 RH QUICK TJET LBO,3-TIP .75
	13	9	737817 NOZL MT CLMP,1.00 SQ SS,Q-TJET
	14	1	737833 LH QUICK TJET LBO,3-TIP .75
	15	7	737834 QUICK TJET TEE,3-TIP BODY .75
	16	1	520090 HOSE CLAMP NO 16 STAINLESS

SECTION-5



SECTION - 7

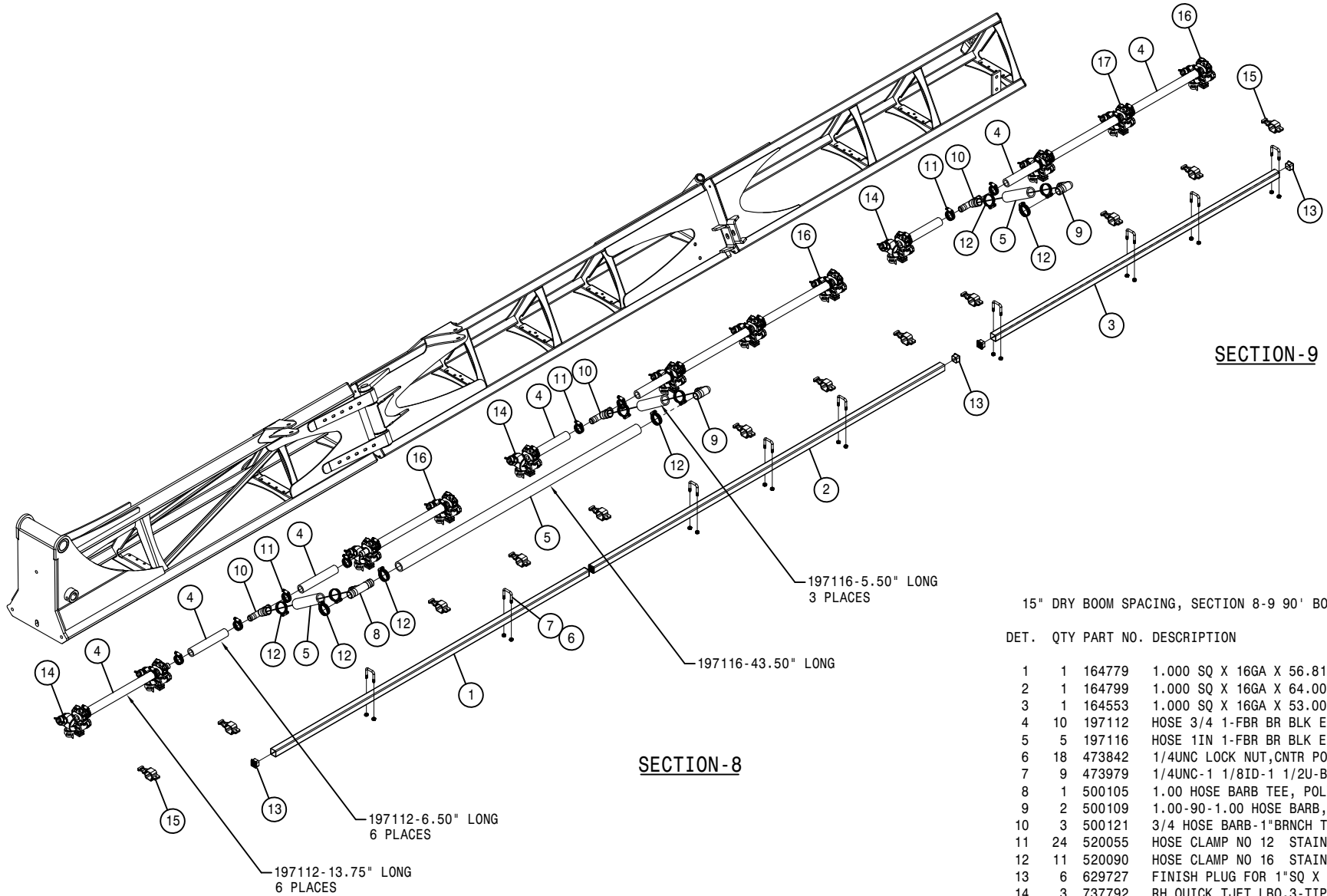
15" DRY BOOM SPACING, SECTION 6-7 90'/100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD,SCT-1 (B) 00
3	20'	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	18	473842	1/4UNC LOCK NUT,CNTR POINT SS
5	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	40	520055	HOSE CLAMP NO 12 STAINLESS
7	2	520090	HOSE CLAMP NO 16 STAINLESS
8	2	629727	FINISH PLUG FOR 1"SQ X 16 GA
9	6	500157	1" FLANGE GASKET EPDM
10	6	500159	1" FLANGE CLAMP, S.S.
11	4	500170	1" FLANGE-3/4" HOSE BARB POLY
12	2	500173	1" FLANGE-90-1" HOSE BARB POLY
13	2	500175	1" FLANGE TEE POLY
14	2	737792	RH QUICK TJET LBO,3-TIP .75
15	20	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	2	737833	LH QUICK TJET LBO,3-TIP .75
17	16	737834	QUICK TJET TEE,3-TIP BODY .75

SECTION - 6

197112-13.75" LONG
16 PLACES

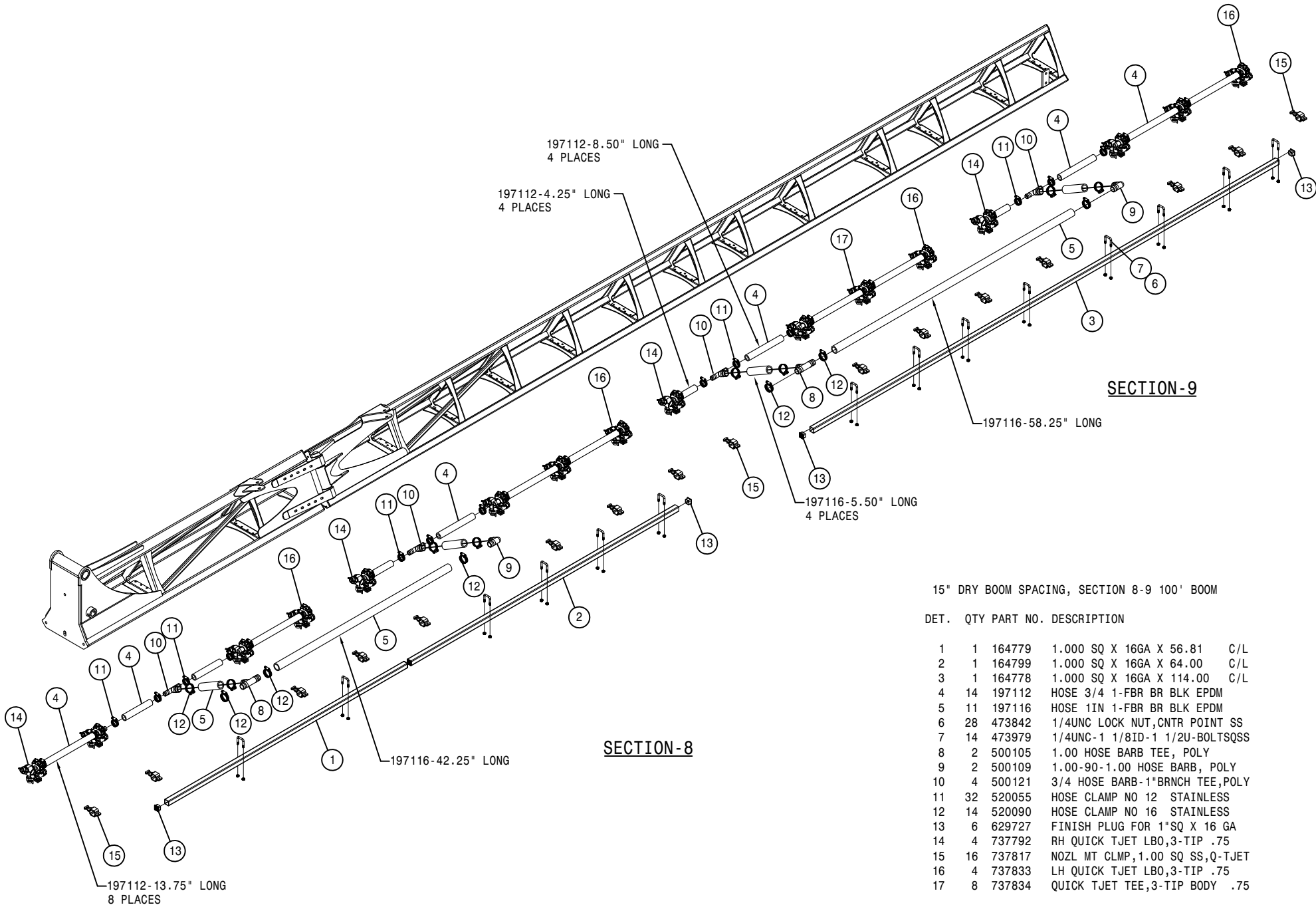
197112-4.25" LONG
4 PLACES



SECTION-9

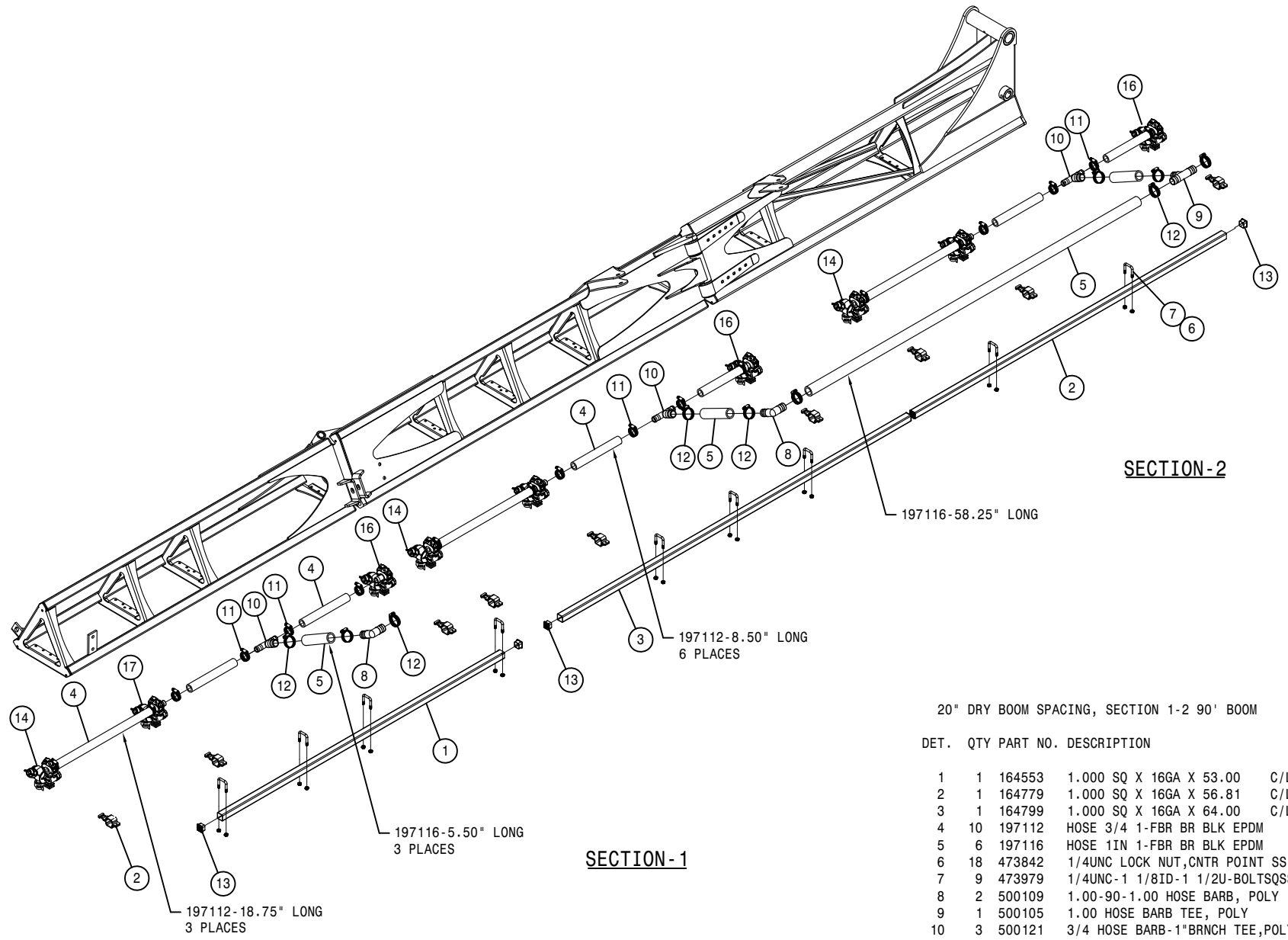
15" DRY BOOM SPACING, SECTION 8-9 90' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164779	1.000 SQ X 16GA X 56.81 C/L
2	1	164799	1.000 SQ X 16GA X 64.00 C/L
3	1	164553	1.000 SQ X 16GA X 53.00 C/L
4	10	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	5	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	18	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	1	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	3	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	24	520055	HOSE CLAMP NO 12 STAINLESS
12	11	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	3	737792	RH QUICK TJET LBO,3-TIP .75
15	12	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	3	737833	LH QUICK TJET LBO,3-TIP .75
17	6	737834	QUICK TJET TEE,3-TIP BODY .75



15" DRY BOOM SPACING, SECTION 8-9 100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164779	1.000 SQ X 16GA X 56.81 C/L
2	1	164799	1.000 SQ X 16GA X 64.00 C/L
3	1	164778	1.000 SQ X 16GA X 114.00 C/L
4	14	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	11	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	28	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	14	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	2	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	4	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	32	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP .75
15	16	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	4	737833	LH QUICK TJET LBO,3-TIP .75
17	8	737834	QUICK TJET TEE,3-TIP BODY .75

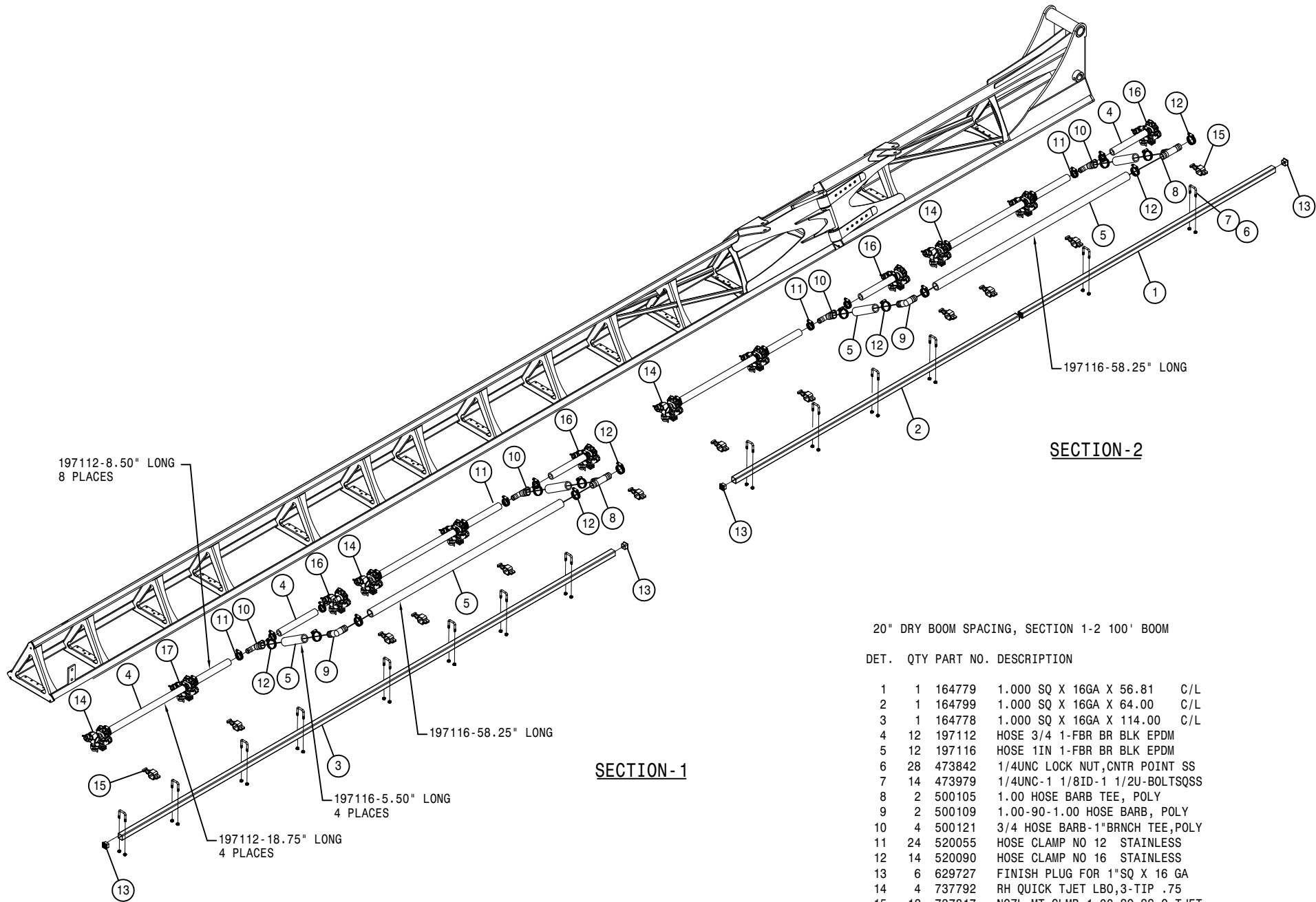


SECTION-2

SECTION-1

20" DRY BOOM SPACING, SECTION 1-2 90' BOOM

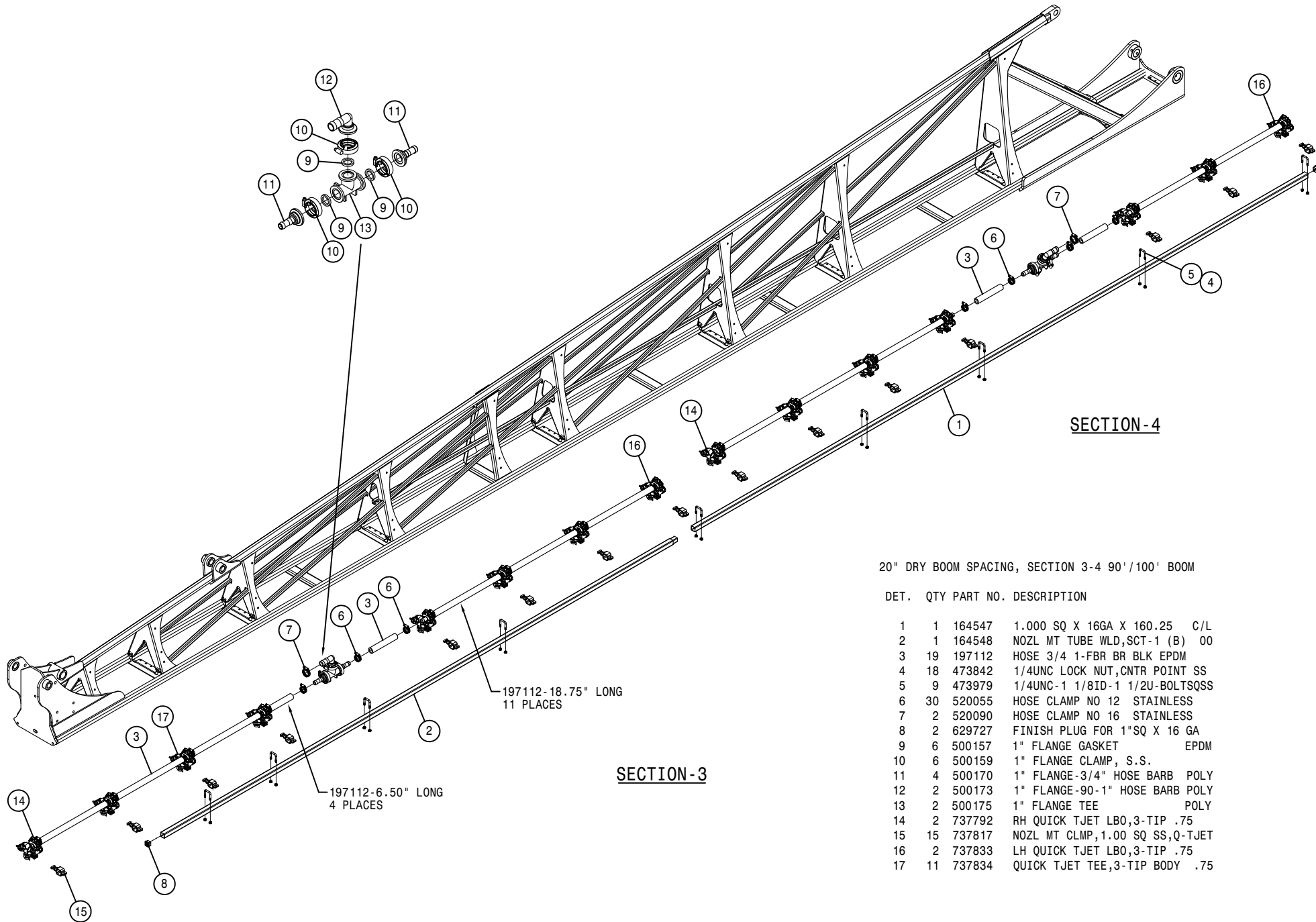
DET.	QTY	PART NO.	DESCRIPTION
1	1	164553	1.000 SQ X 16GA X 53.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	1	164799	1.000 SQ X 16GA X 64.00 C/L
4	10	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	18	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	2	500109	1.00-90-1.00 HOSE BARB, POLY
9	1	500105	1.00 HOSE BARB TEE, POLY
10	3	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	18	520055	HOSE CLAMP NO 12 STAINLESS
12	10	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	3	737792	RH QUICK TJET LBO,3-TIP .75
15	9	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	3	737833	LH QUICK TJET LBO,3-TIP .75
17	3	737834	QUICK TJET TEE,3-TIP BODY .75



20" DRY BOOM SPACING, SECTION 1-2 100' BOOM

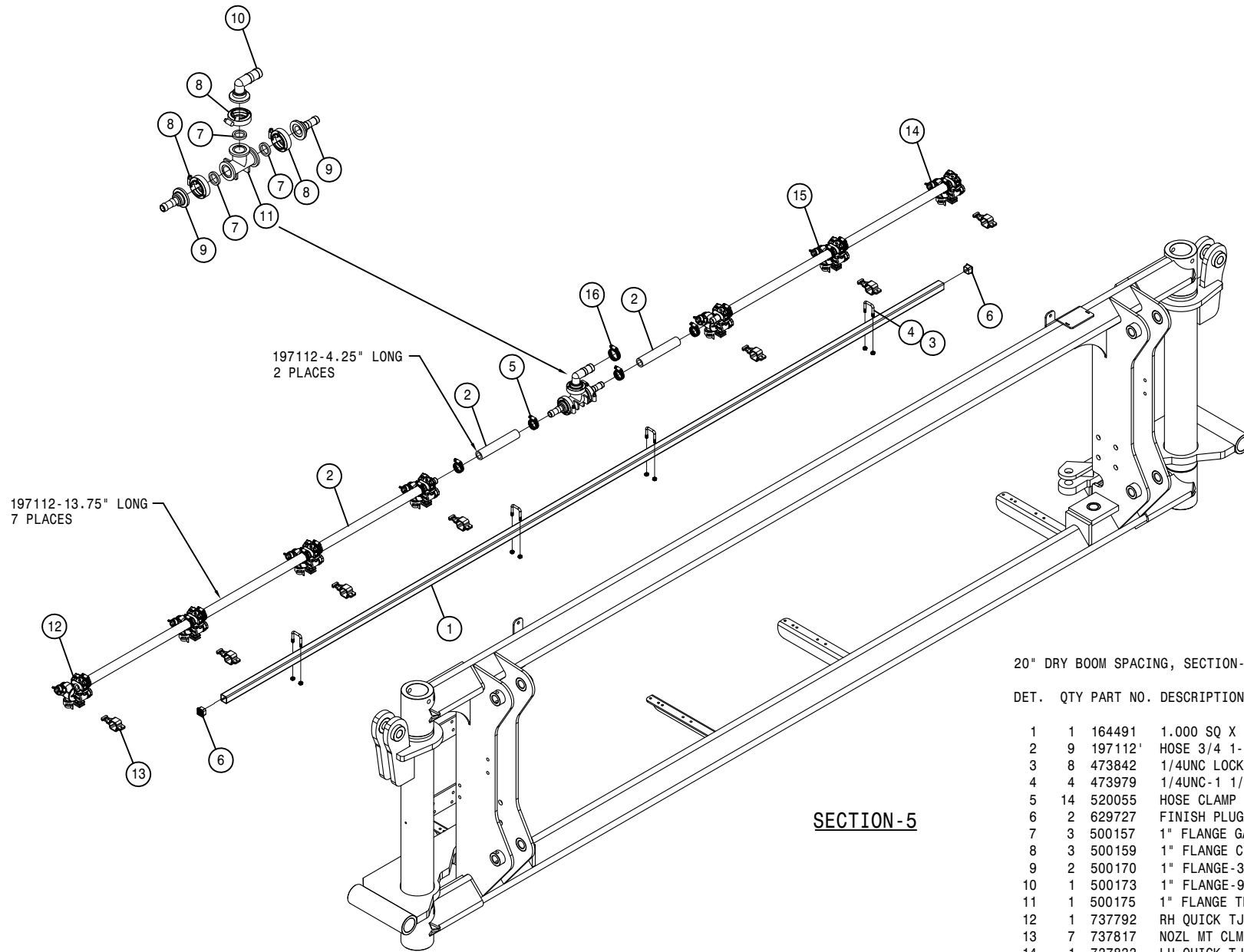
DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	1	164779	1.000 SQ X 16GA X 56.81 C/L
2	1	164799	1.000 SQ X 16GA X 64.00 C/L
3	1	164778	1.000 SQ X 16GA X 114.00 C/L
4	12	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	12	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	28	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	14	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	2	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	4	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	24	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP .75
15	13	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	4	737833	LH QUICK TJET LBO,3-TIP .75
17	4	737834	QUICK TJET TEE,3-TIP BODY .75



20" DRY BOOM SPACING, SECTION 3-4 90' /100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD,SCT-1 (B) 00
3	19	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	18	473842	1/4UNC LOCK NUT,CNTR POINT SS
5	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	30	520055	HOSE CLAMP NO 12 STAINLESS
7	2	520090	HOSE CLAMP NO 16 STAINLESS
8	2	629727	FINISH PLUG FOR 1"SQ X 16 GA
9	6	500157	1" FLANGE GASKET EPDM
10	6	500159	1" FLANGE CLAMP, S.S.
11	4	500170	1" FLANGE-3/4" HOSE BARB POLY
12	2	500173	1" FLANGE-90-1" HOSE BARB POLY
13	2	500175	1" FLANGE TEE POLY
14	2	737792	RH QUICK TJET LBO,3-TIP .75
15	15	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	2	737833	LH QUICK TJET LBO,3-TIP .75
17	11	737834	QUICK TJET TEE,3-TIP BODY .75

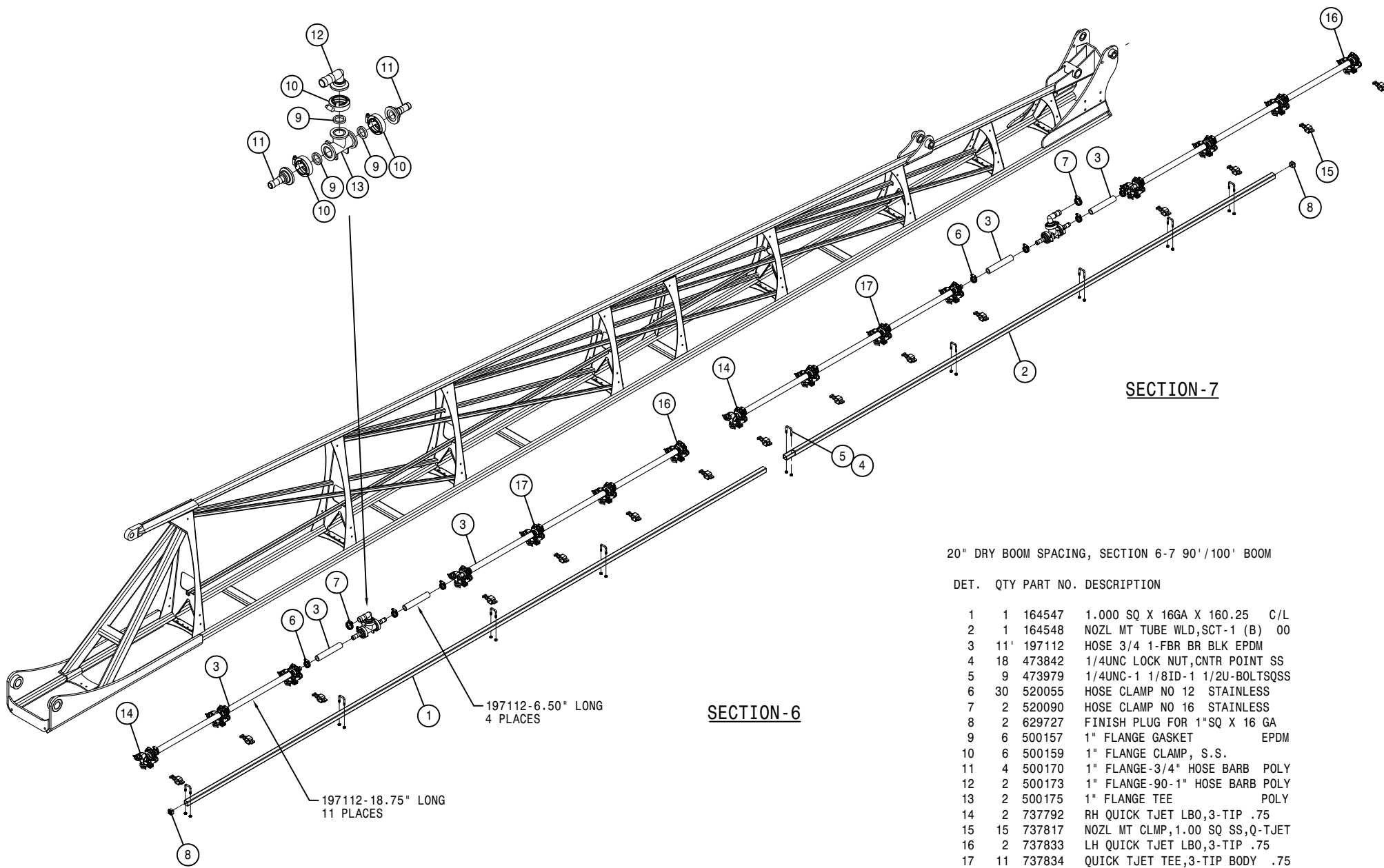


20" DRY BOOM SPACING, SECTION-5 90'/100' BOOM

DET. QTY PART NO. DESCRIPTION

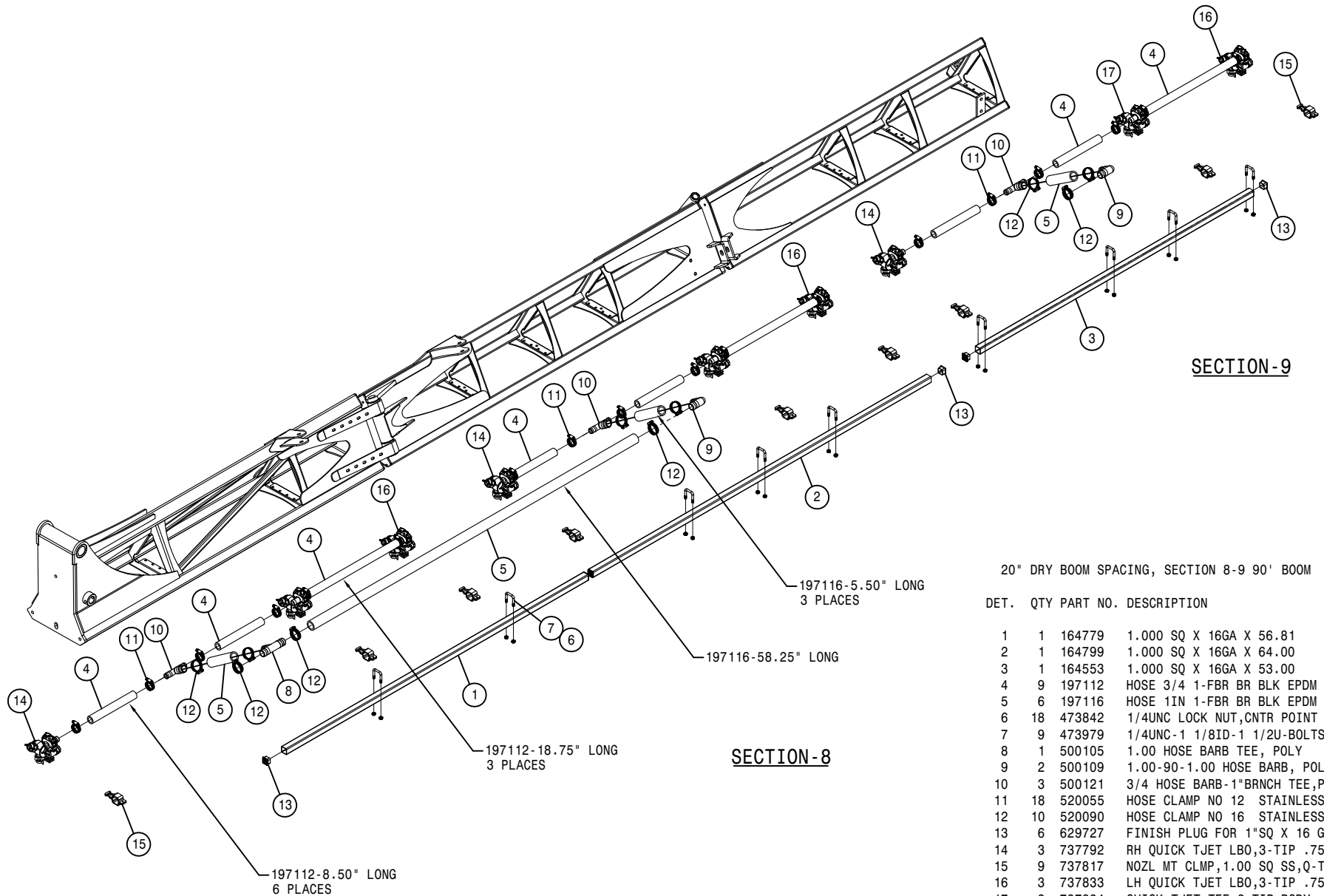
1	1	164491	1.000 SQ X 16GA X 124.00	C/L
2	9	197112	HOSE 3/4 1-FBR BR BLK EPDM	
3	8	473842	1/4UNC LOCK NUT,CNTR POINT SS	
4	4	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS	
5	14	520055	HOSE CLAMP NO 12 STAINLESS	
6	2	629727	FINISH PLUG FOR 1"SQ X 16 GA	
7	3	500157	1" FLANGE GASKET	EPDM
8	3	500159	1" FLANGE CLAMP, S.S.	
9	2	500170	1" FLANGE-3/4" HOSE BARB	POLY
10	1	500173	1" FLANGE-90-1" HOSE BARB	POLY
11	1	500175	1" FLANGE TEE	POLY
12	1	737792	RH QUICK TJET LBO,3-TIP	.75
13	7	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET	
14	1	737833	LH QUICK TJET LBO,3-TIP	.75
15	5	737834	QUICK TJET TEE,3-TIP BODY	.75
16	1	520090	HOSE CLAMP NO 16 STAINLESS	

SECTION-5



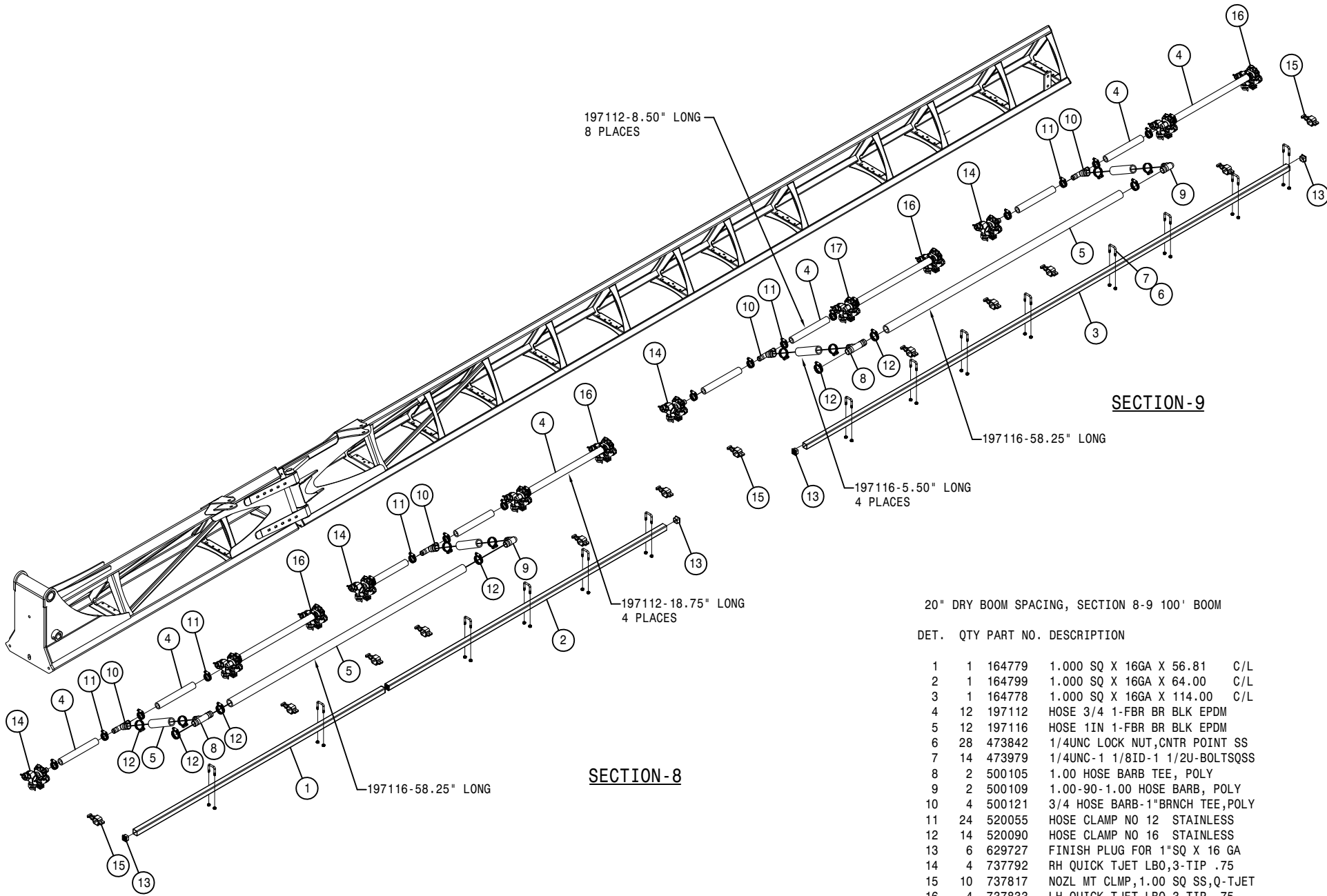
20" DRY BOOM SPACING, SECTION 6-7 90'/100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD,SCT-1 (B) 00
3	11'	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	18	473842	1/4UNC LOCK NUT,CNTR POINT SS
5	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	30	520055	HOSE CLAMP NO 12 STAINLESS
7	2	520090	HOSE CLAMP NO 16 STAINLESS
8	2	629727	FINISH PLUG FOR 1"SQ X 16 GA
9	6	500157	1" FLANGE GASKET EPDM
10	6	500159	1" FLANGE CLAMP, S.S.
11	4	500170	1" FLANGE-3/4" HOSE BARB POLY
12	2	500173	1" FLANGE-90-1" HOSE BARB POLY
13	2	500175	1" FLANGE TEE POLY
14	2	737792	RH QUICK TJET LBO,3-TIP .75
15	15	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	2	737833	LH QUICK TJET LBO,3-TIP .75
17	11	737834	QUICK TJET TEE,3-TIP BODY .75



20" DRY BOOM SPACING, SECTION 8-9 90' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164779	1.000 SQ X 16GA X 56.81 C/L
2	1	164799	1.000 SQ X 16GA X 64.00 C/L
3	1	164553	1.000 SQ X 16GA X 53.00 C/L
4	9	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	18	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	9	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	1	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	3	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	18	520055	HOSE CLAMP NO 12 STAINLESS
12	10	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	3	737792	RH QUICK TJET LBO,3-TIP .75
15	9	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	3	737833	LH QUICK TJET LBO,3-TIP .75
17	3	737834	QUICK TJET TEE,3-TIP BODY .75

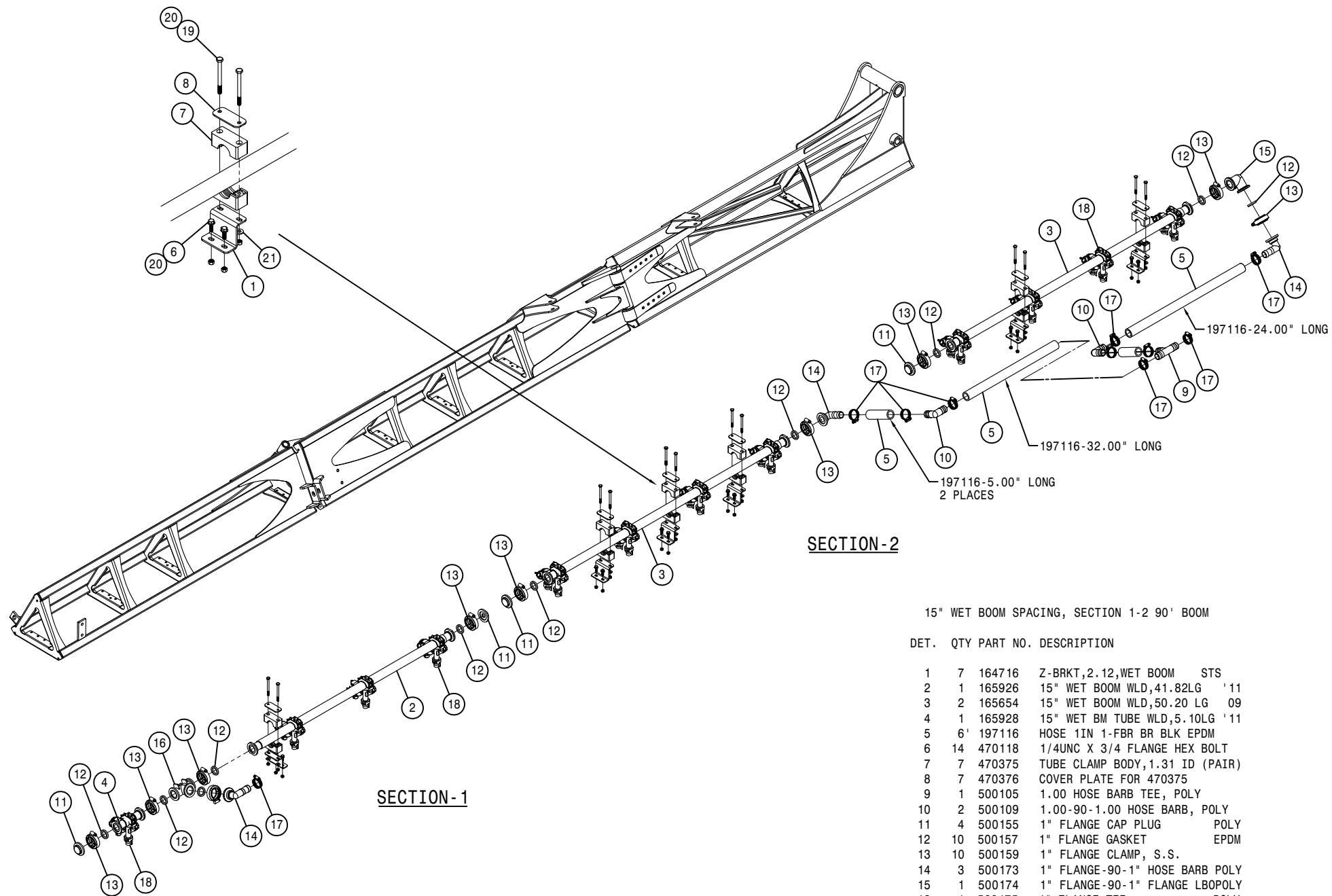


SECTION-9

SECTION-8

20" DRY BOOM SPACING, SECTION 8-9 100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	164779	1.000 SQ X 16GA X 56.81 C/L
2	1	164799	1.000 SQ X 16GA X 64.00 C/L
3	1	164778	1.000 SQ X 16GA X 114.00 C/L
4	12	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	12	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	28	473842	1/4UNC LOCK NUT,CNTR POINT SS
7	14	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	2	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	4	500121	3/4 HOSE BARB-1"BRNCH TEE,POLY
11	24	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSE CLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG FOR 1"SQ X 16 GA
14	4	737792	RH QUICK TJET LB0,3-TIP .75
15	10	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
16	4	737833	LH QUICK TJET LB0,3-TIP .75
17	4	737834	QUICK TJET TEE,3-TIP BODY .75

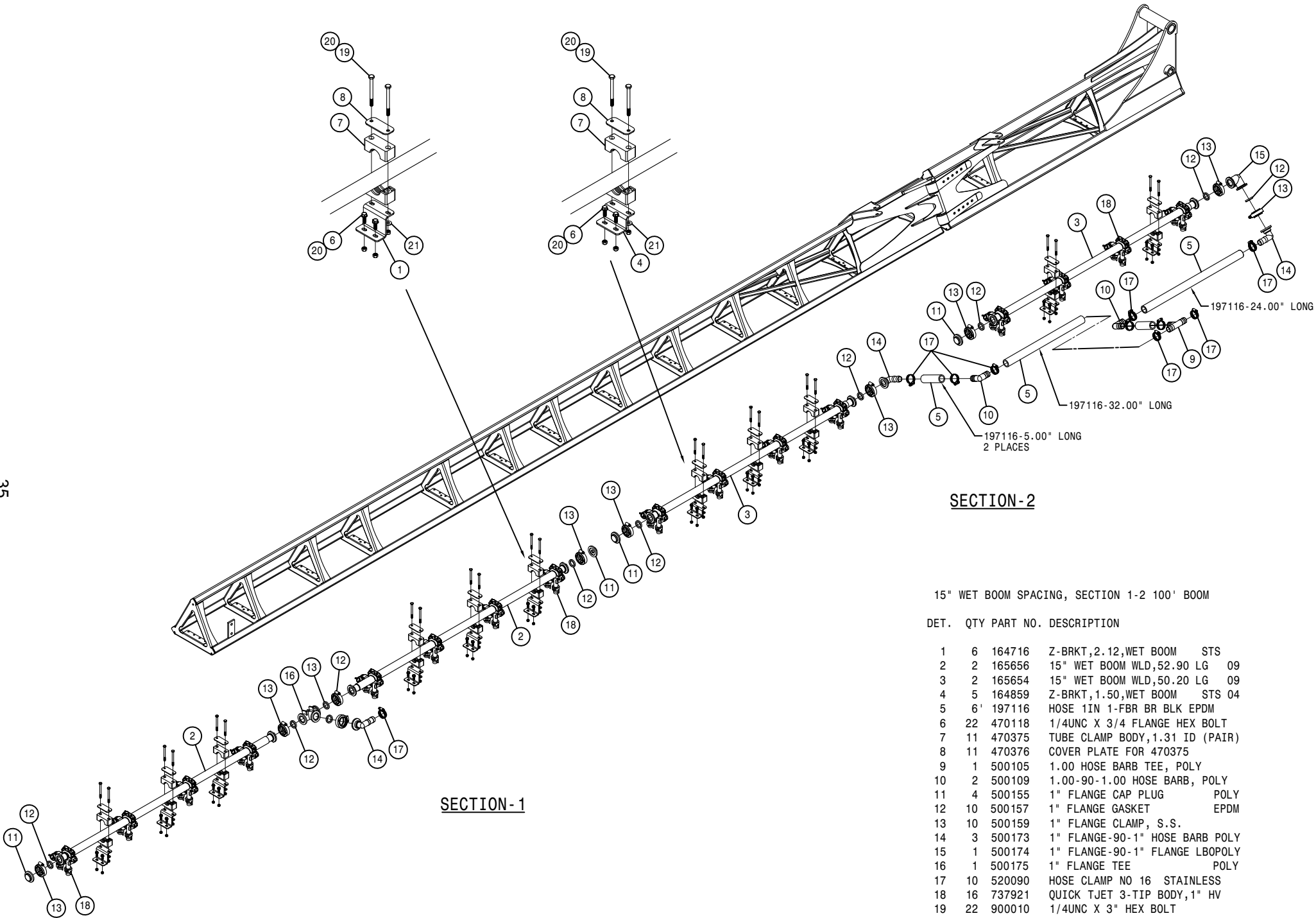


SECTION-2

15" WET BOOM SPACING, SECTION 1-2 90' BOOM

DET. QTY PART NO. DESCRIPTION

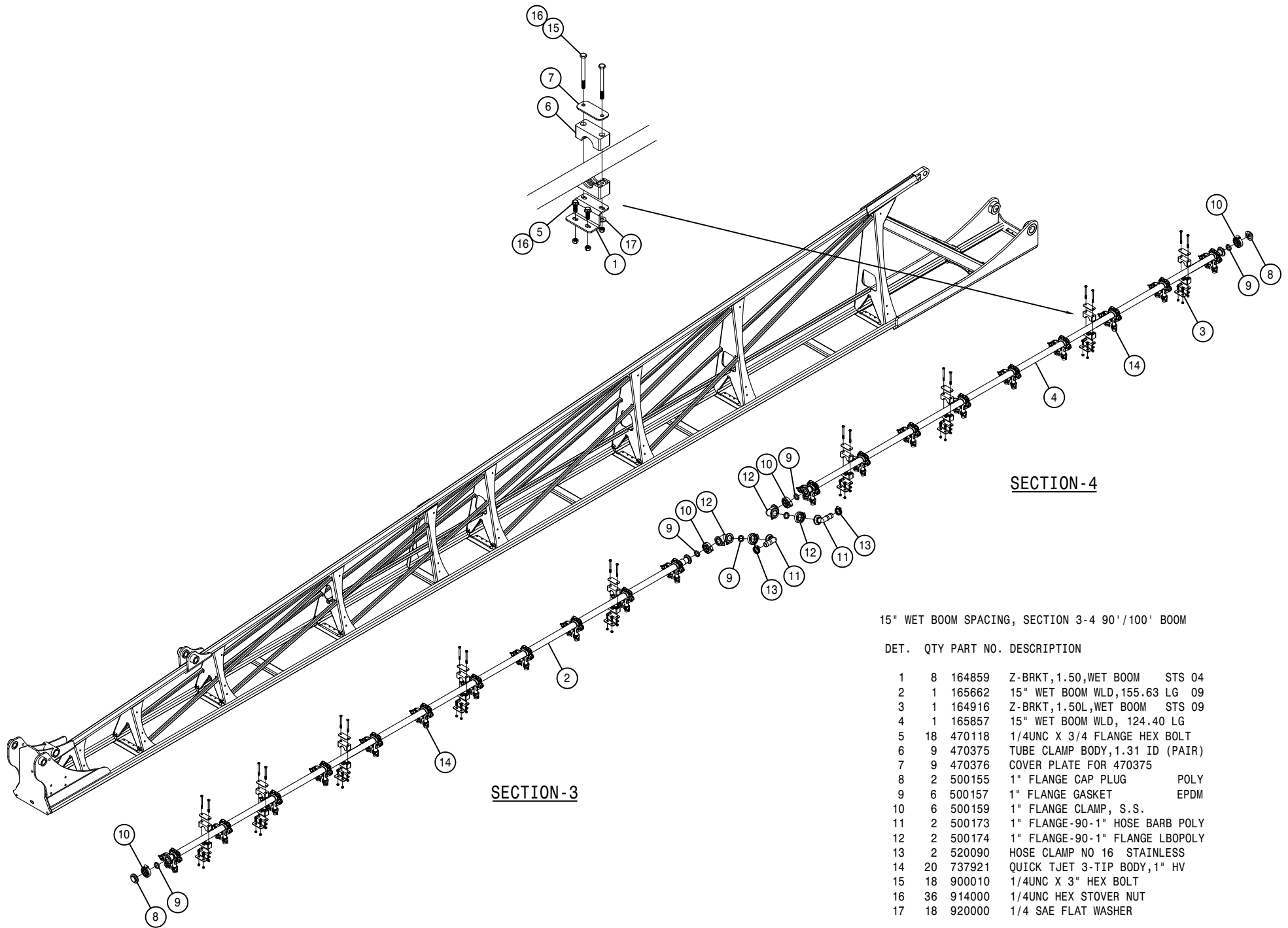
1	7	164716	Z-BRKT,2.12,WET BOOM STS
2	1	165926	15" WET BOOM WLD,41.82LG '11
3	2	165654	15" WET BOOM WLD,50.20 LG 09
4	1	165928	15" WET BM TUBE WLD,5.10LG '11
5	6'	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	14	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	7	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	7	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	4	500155	1" FLANGE CAP PLUG POLY
12	10	500157	1" FLANGE GASKET EPDM
13	10	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	1	500175	1" FLANGE TEE POLY
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	12	737921	QUICK TJET 3-TIP BODY,1" HV
19	14	900010	1/4UNC X 3" HEX BOLT
20	28	914000	1/4UNC HEX STOVER NUT
21	14	920000	1/4 SAE FLAT WASHER



SECTION-2

15" WET BOOM SPACING, SECTION 1-2 100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	6	164716	Z-BRKT,2.12,WET BOOM STS
2	2	165656	15" WET BOOM WLD,52.90 LG O9
3	2	165654	15" WET BOOM WLD,50.20 LG O9
4	5	164859	Z-BRKT,1.50,WET BOOM STS O4
5	6'	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	22	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	11	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	11	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	4	500155	1" FLANGE CAP PLUG POLY
12	10	500157	1" FLANGE GASKET EPDM
13	10	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	1	500175	1" FLANGE TEE POLY
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	16	737921	QUICK TJET 3-TIP BODY,1" HV
19	22	900010	1/4UNC X 3" HEX BOLT
20	44	914000	1/4UNC HEX STOVER NUT
21	22	920000	1/4 SAE FLAT WASHER



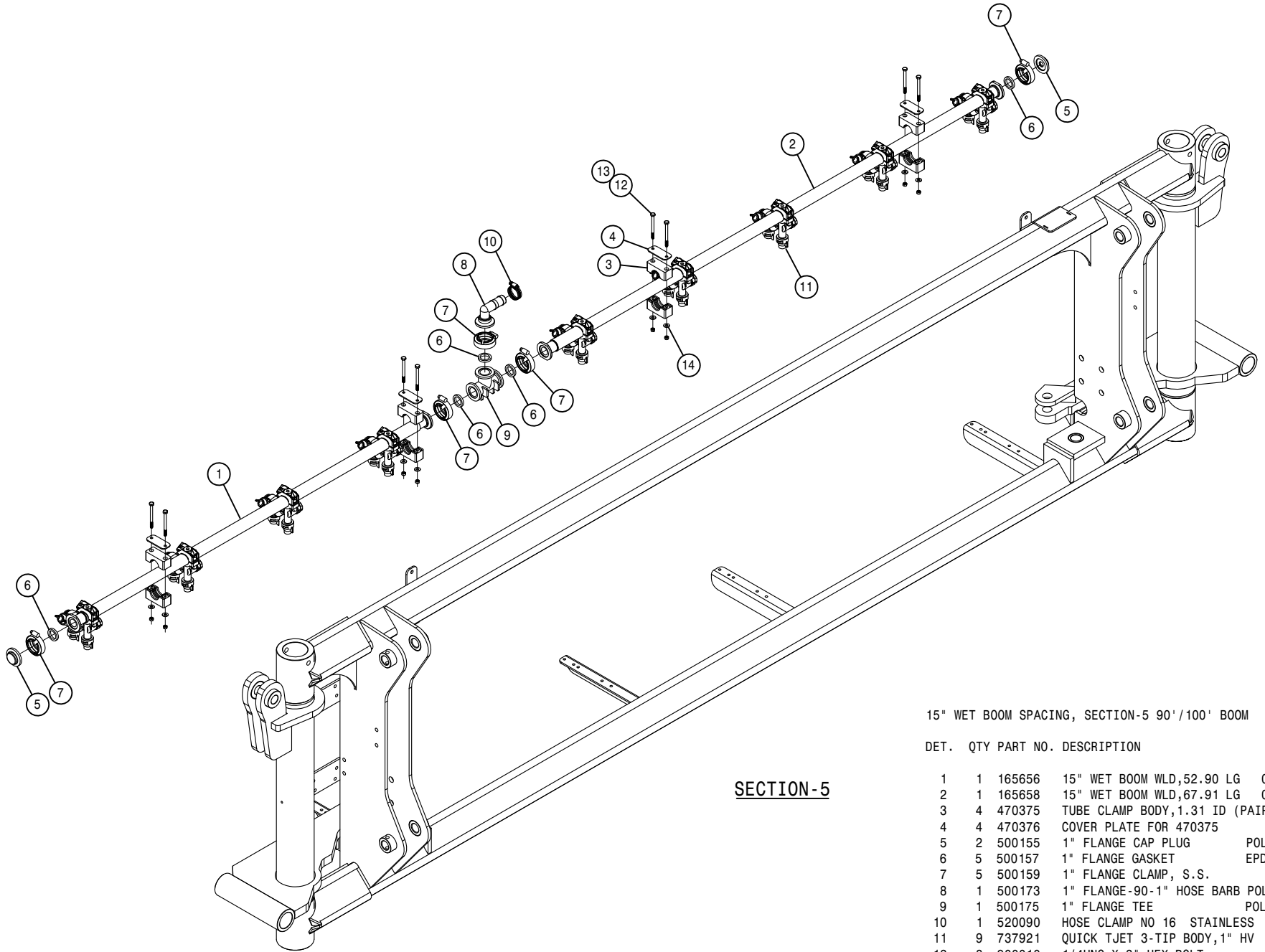
SECTION-4

SECTION-3

15" WET BOOM SPACING, SECTION 3-4 90' /100' BOOM

DET. QTY PART NO. DESCRIPTION

1	8	164859	Z-BRKT,1.50,WET BOOM	STS 04
2	1	165662	15" WET BOOM WLD,155.63 LG	09
3	1	164916	Z-BRKT,1.50L,WET BOOM	STS 09
4	1	165857	15" WET BOOM WLD, 124.40 LG	
5	18	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
6	9	470375	TUBE CLAMP BODY,1.31 ID (PAIR)	
7	9	470376	COVER PLATE FOR 470375	
8	2	500155	1" FLANGE CAP PLUG	POLY
9	6	500157	1" FLANGE GASKET	EPDM
10	6	500159	1" FLANGE CLAMP, S.S.	
11	2	500173	1" FLANGE-90-1" HOSE BARB POLY	
12	2	500174	1" FLANGE-90-1" FLANGE LBOPOLY	
13	2	520090	HOSE CLAMP NO 16 STAINLESS	
14	20	737921	QUICK TJET 3-TIP BODY,1" HV	
15	18	900010	1/4UNC X 3" HEX BOLT	
16	36	914000	1/4UNC HEX STOVER NUT	
17	18	920000	1/4 SAE FLAT WASHER	

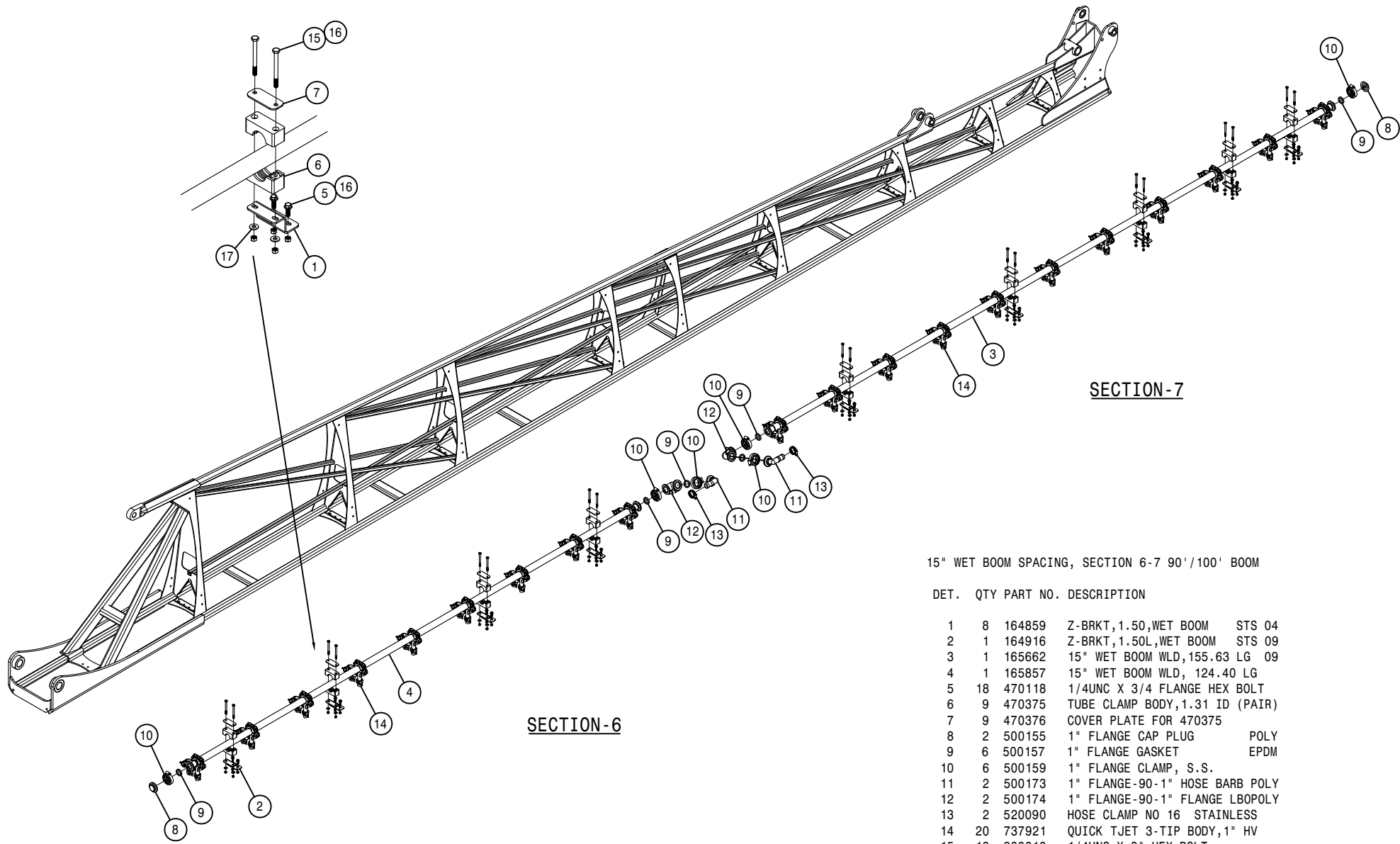


SECTION-5

15" WET BOOM SPACING, SECTION-5 90' /100' BOOM

DET. QTY PART NO. DESCRIPTION

1	1	165656	15" WET BOOM WLD,52.90 LG	09
2	1	165658	15" WET BOOM WLD,67.91 LG	09
3	4	470375	TUBE CLAMP BODY,1.31 ID (PAIR)	
4	4	470376	COVER PLATE FOR 470375	
5	2	500155	1" FLANGE CAP PLUG	POLY
6	5	500157	1" FLANGE GASKET	EPDM
7	5	500159	1" FLANGE CLAMP, S.S.	
8	1	500173	1" FLANGE-90-1" HOSE BARB	POLY
9	1	500175	1" FLANGE TEE	POLY
10	1	520090	HOSE CLAMP NO 16	STAINLESS
11	9	737921	QUICK TJET 3-TIP BODY,1" HV	
12	8	900010	1/4UNC X 3" HEX BOLT	
13	8	914000	1/4UNC HEX STOVER NUT	
14	8	920000	1/4 SAE FLAT WASHER	

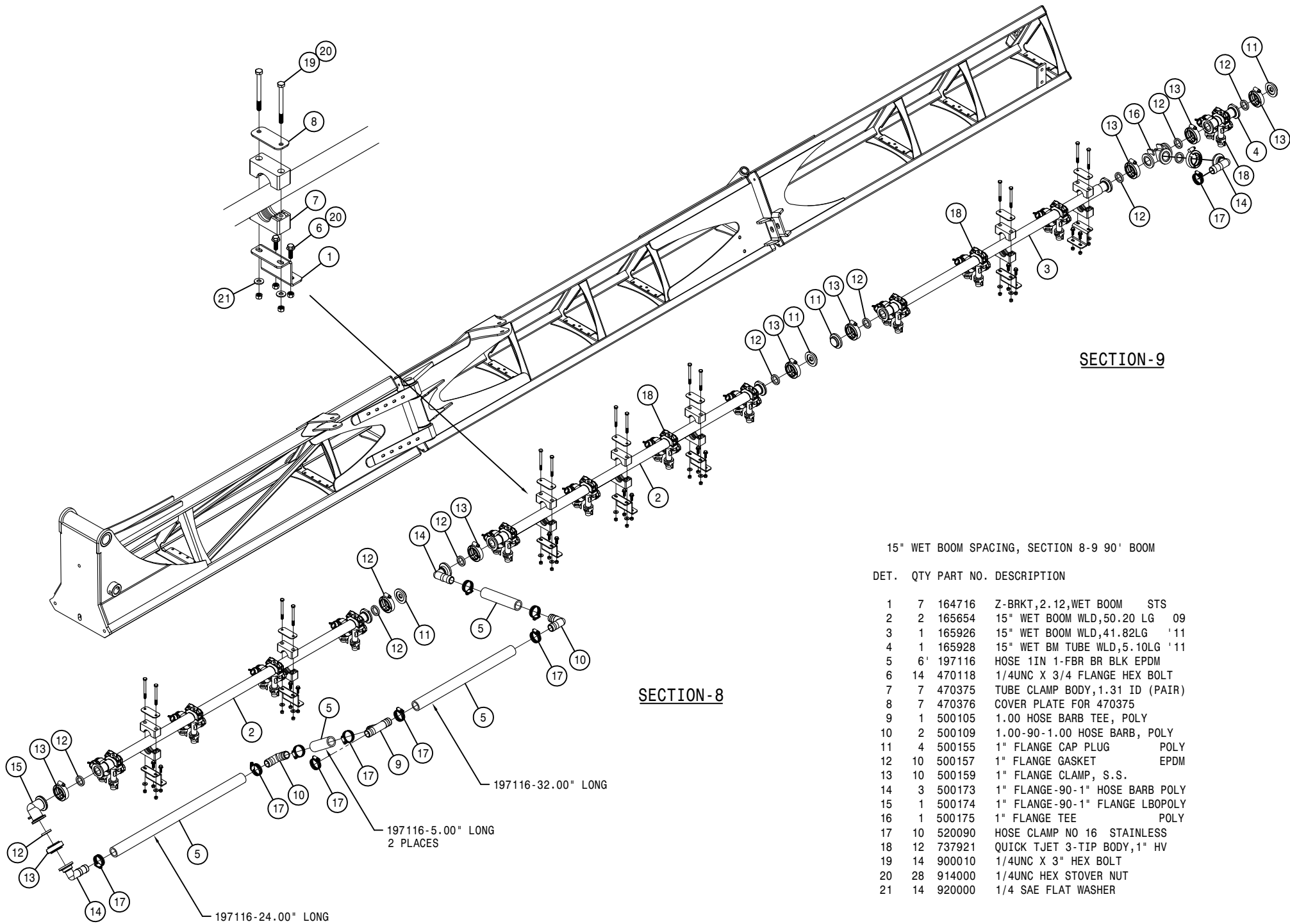


SECTION-7

SECTION-6

15" WET BOOM SPACING, SECTION 6-7 90'/100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	8	164859	Z-BRKT, 1.50, WET BOOM STS 04
2	1	164916	Z-BRKT, 1.50L, WET BOOM STS 09
3	1	165662	15" WET BOOM WLD, 155.63 LG 09
4	1	165857	15" WET BOOM WLD, 124.40 LG
5	18	470118	1/4UNC X 3/4 FLANGE HEX BOLT
6	9	470375	TUBE CLAMP BODY, 1.31 ID (PAIR)
7	9	470376	COVER PLATE FOR 470375
8	2	500155	1" FLANGE CAP PLUG POLY
9	6	500157	1" FLANGE GASKET EPDM
10	6	500159	1" FLANGE CLAMP, S.S.
11	2	500173	1" FLANGE-90-1" HOSE BARB POLY
12	2	500174	1" FLANGE-90-1" FLANGE LBOPOLY
13	2	520090	HOSE CLAMP NO 16 STAINLESS
14	20	737921	QUICK TJET 3-TIP BODY, 1" HV
15	18	900010	1/4UNC X 3" HEX BOLT
16	36	914000	1/4UNC HEX STOVER NUT
17	18	920000	1/4 SAE FLAT WASHER

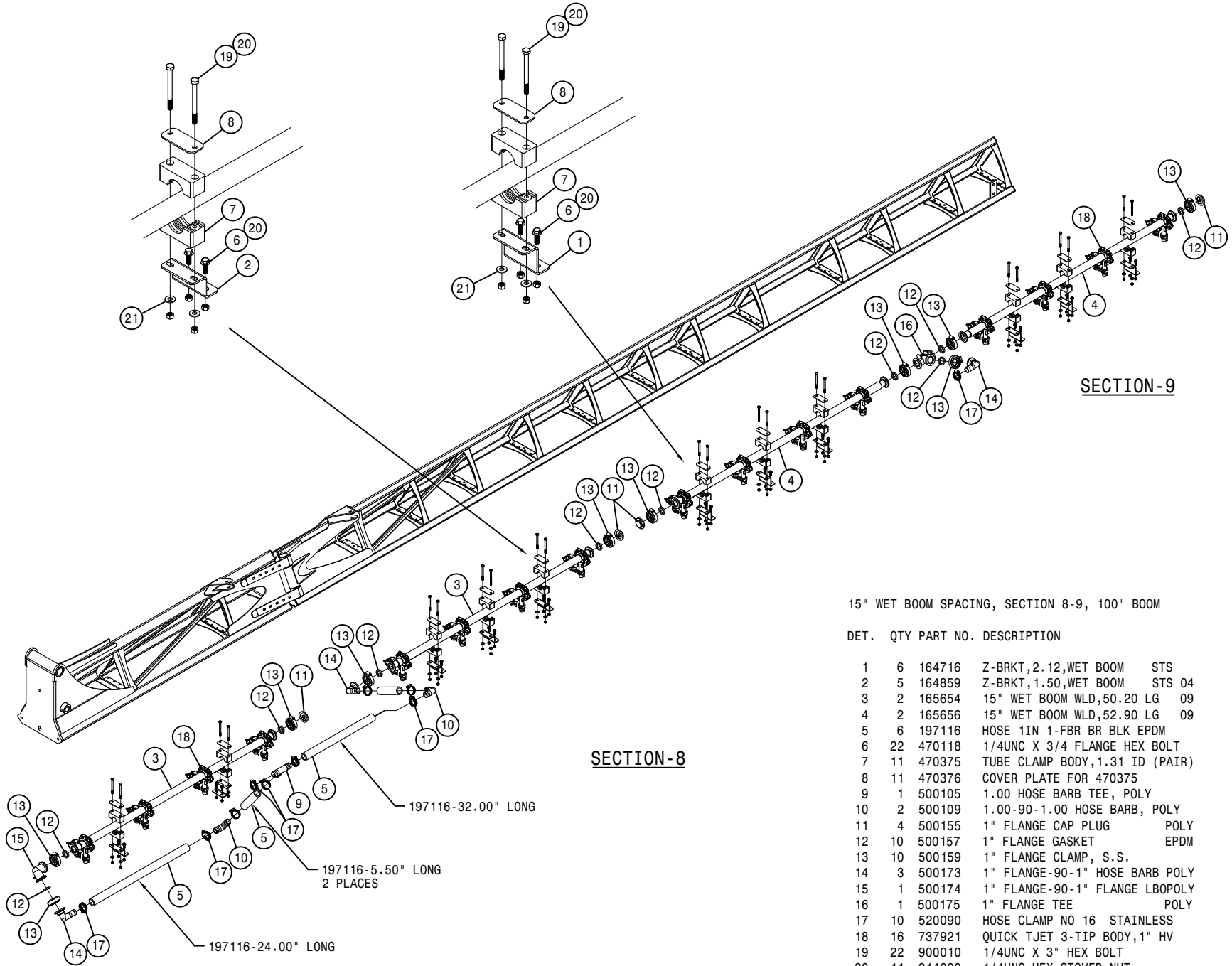


SECTION-9

SECTION-8

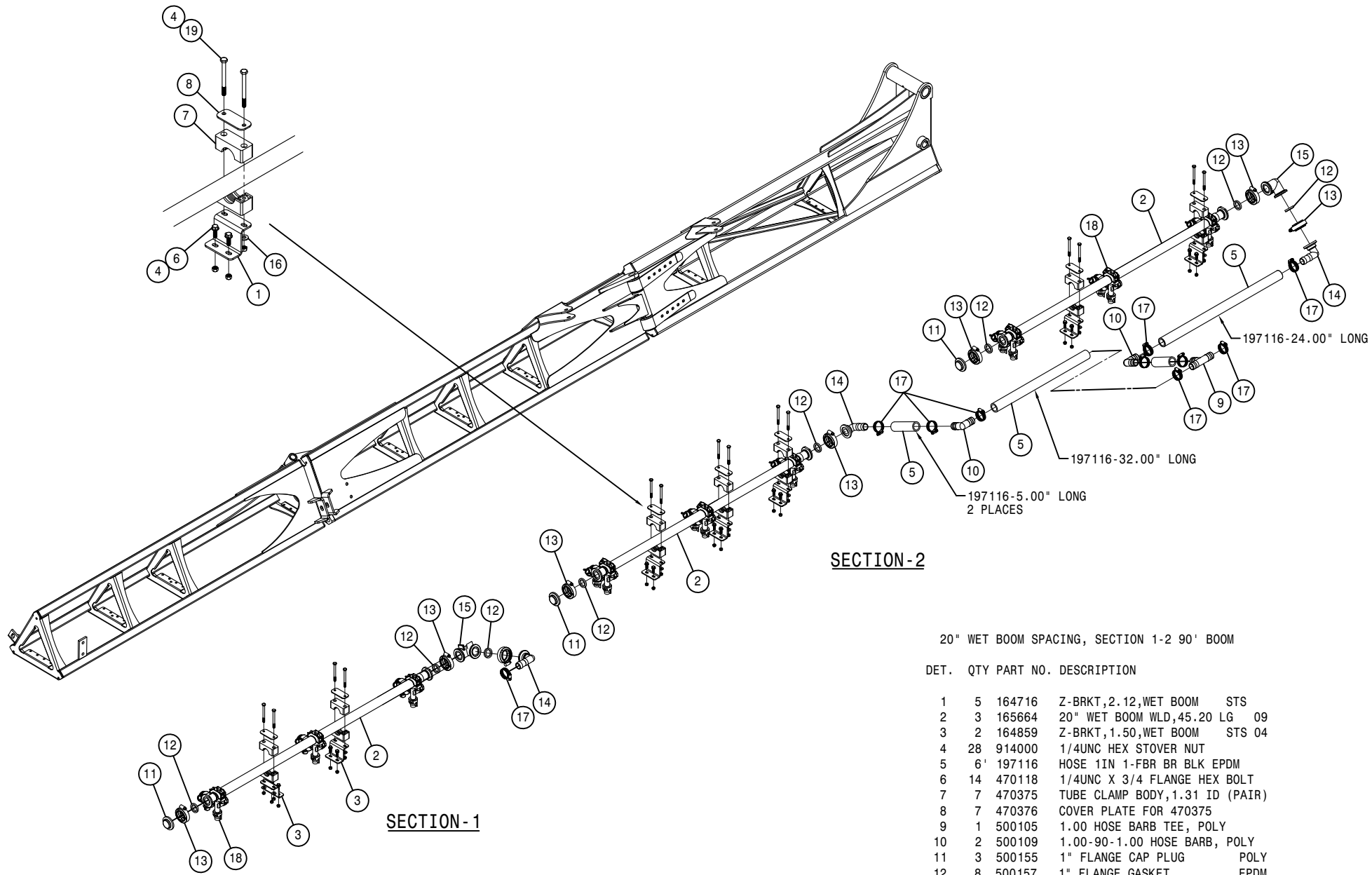
15" WET BOOM SPACING, SECTION 8-9 90' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	7	164716	Z-BRKT,2.12,WET BOOM STS
2	2	165654	15" WET BOOM WLD,50.20 LG 09
3	1	165926	15" WET BOOM WLD,41.82LG '11
4	1	165928	15" WET BM TUBE WLD,5.10LG '11
5	6'	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	14	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	7	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	7	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	4	500155	1" FLANGE CAP PLUG POLY
12	10	500157	1" FLANGE GASKET EPDM
13	10	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	1	500175	1" FLANGE TEE POLY
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	12	737921	QUICK TJET 3-TIP BODY,1" HV
19	14	900010	1/4UNC X 3" HEX BOLT
20	28	914000	1/4UNC HEX STOVER NUT
21	14	920000	1/4 SAE FLAT WASHER



15" WET BOOM SPACING, SECTION 8-9, 100' BOOM

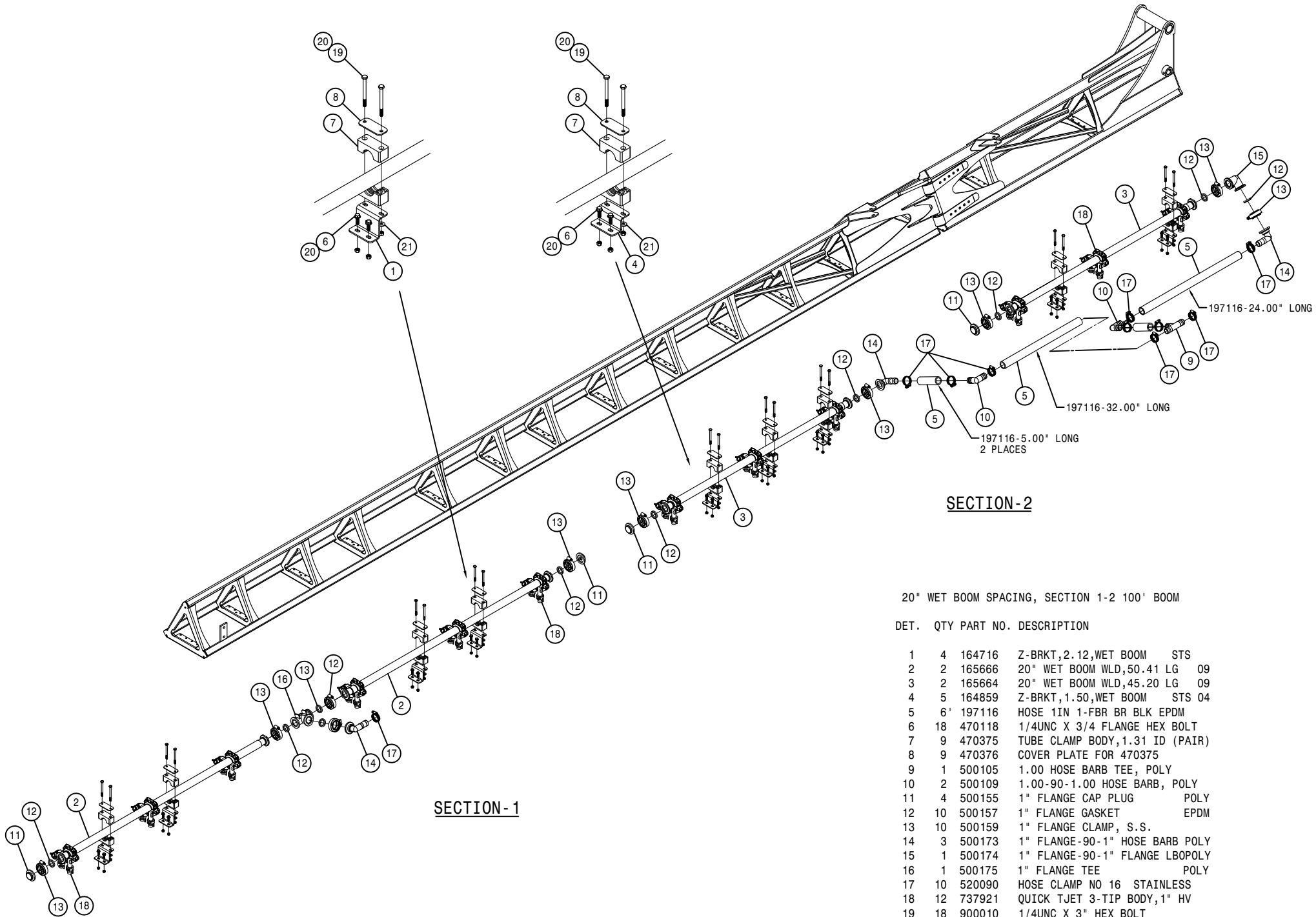
DET.	QTY	PART NO.	DESCRIPTION
1	6	164716	Z-BRKT,2.12,WET BOOM STS
2	5	164859	Z-BRKT,1.50,WET BOOM STS 04
3	2	165654	15" WET BOOM WLD,50.20 LG 09
4	2	165656	15" WET BOOM WLD,52.90 LG 09
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	22	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	11	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	11	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	4	500155	1" FLANGE CAP PLUG POLY
12	10	500157	1" FLANGE GASKET EPDM
13	10	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	1	500175	1" FLANGE TEE POLY
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	16	737921	QUICK TJET 3-TIP BODY,1" HV
19	22	900010	1/4UNC X 3" HEX BOLT
20	44	914000	1/4UNC HEX STOVER NUT
21	22	920000	1/4 SAE FLAT WASHER



SECTION - 2

20" WET BOOM SPACING, SECTION 1-2 90' BOOM

DET.	QTY	PART NO.	DESCRIPTION	
1	5	164716	Z-BRKT, 2.12, WET BOOM	STS
2	3	165664	20" WET BOOM WLD, 45.20 LG	09
3	2	164859	Z-BRKT, 1.50, WET BOOM	STS 04
4	28	914000	1/4UNC HEX STOVER NUT	
5	6'	197116	HOSE 1IN 1-FBR BR BLK EPDM	
6	14	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
7	7	470375	TUBE CLAMP BODY, 1.31 ID (PAIR)	
8	7	470376	COVER PLATE FOR 470375	
9	1	500105	1.00 HOSE BARB TEE, POLY	
10	2	500109	1.00-90-1.00 HOSE BARB, POLY	
11	3	500155	1" FLANGE CAP PLUG	POLY
12	8	500157	1" FLANGE GASKET	EPDM
13	8	500159	1" FLANGE CLAMP, S.S.	
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY	
15	2	500174	1" FLANGE-90-1" FLANGE LBOPOLY	
16	14	920000	1/4 SAE FLAT WASHER	
17	9	520090	HOSE CLAMP NO 16	STAINLESS
18	9	737921	QUICK TJET 3-TIP BODY, 1" HV	
19	14	900010	1/4UNC X 3" HEX BOLT	

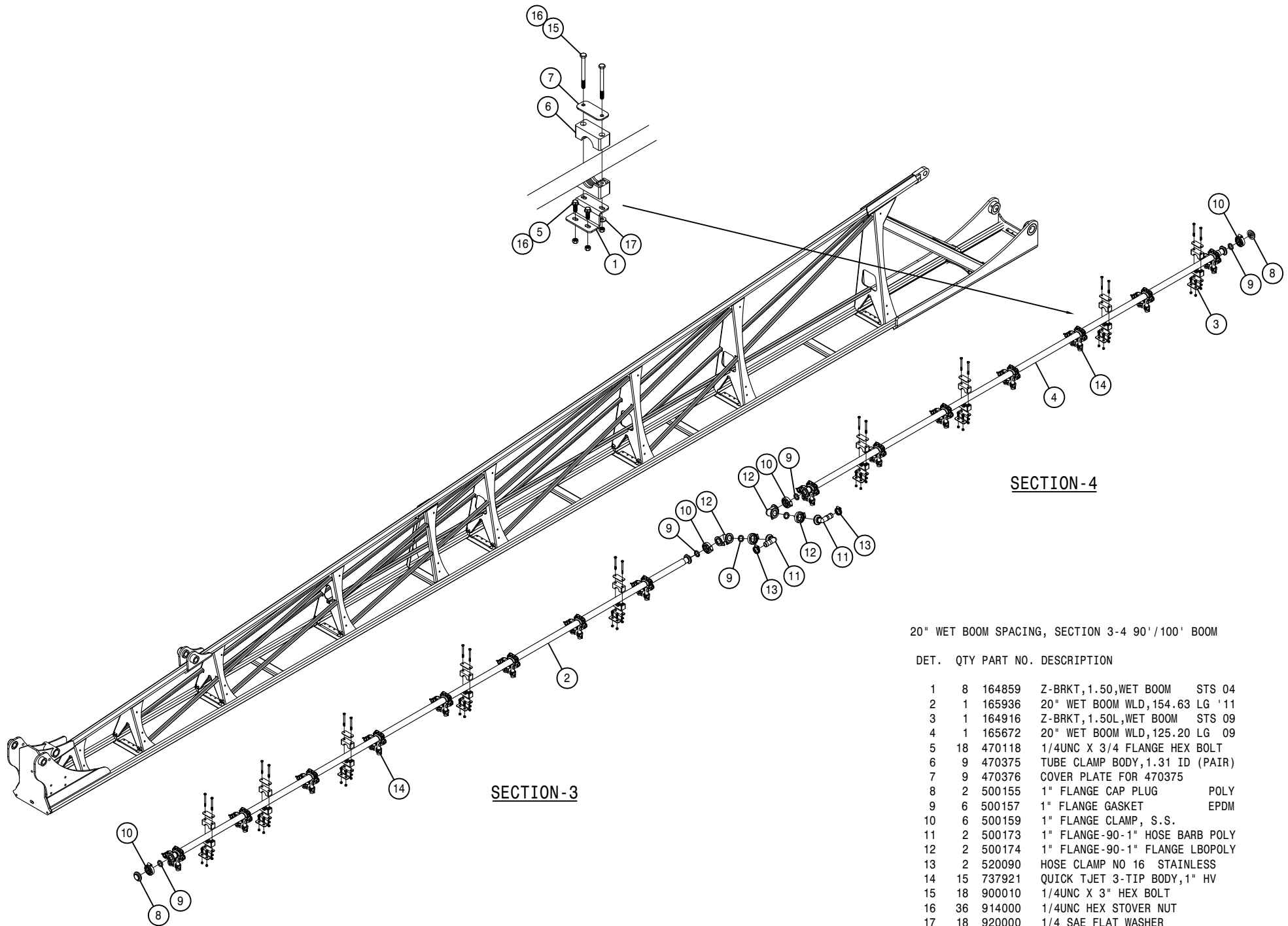


SECTION-2

20" WET BOOM SPACING, SECTION 1-2 100' BOOM

DET. QTY PART NO. DESCRIPTION

1	4	164716	Z-BRKT,2.12,WET BOOM STS
2	2	165666	20" WET BOOM WLD,50.41 LG 09
3	2	165664	20" WET BOOM WLD,45.20 LG 09
4	5	164859	Z-BRKT,1.50,WET BOOM STS 04
5	6'	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	18	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	9	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	9	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	4	500155	1" FLANGE CAP PLUG POLY
12	10	500157	1" FLANGE GASKET EPDM
13	10	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	1	500175	1" FLANGE TEE POLY
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	12	737921	QUICK TJET 3-TIP BODY,1" HV
19	18	900010	1/4UNC X 3" HEX BOLT
20	36	914000	1/4UNC HEX STOVER NUT
21	18	920000	1/4 SAE FLAT WASHER

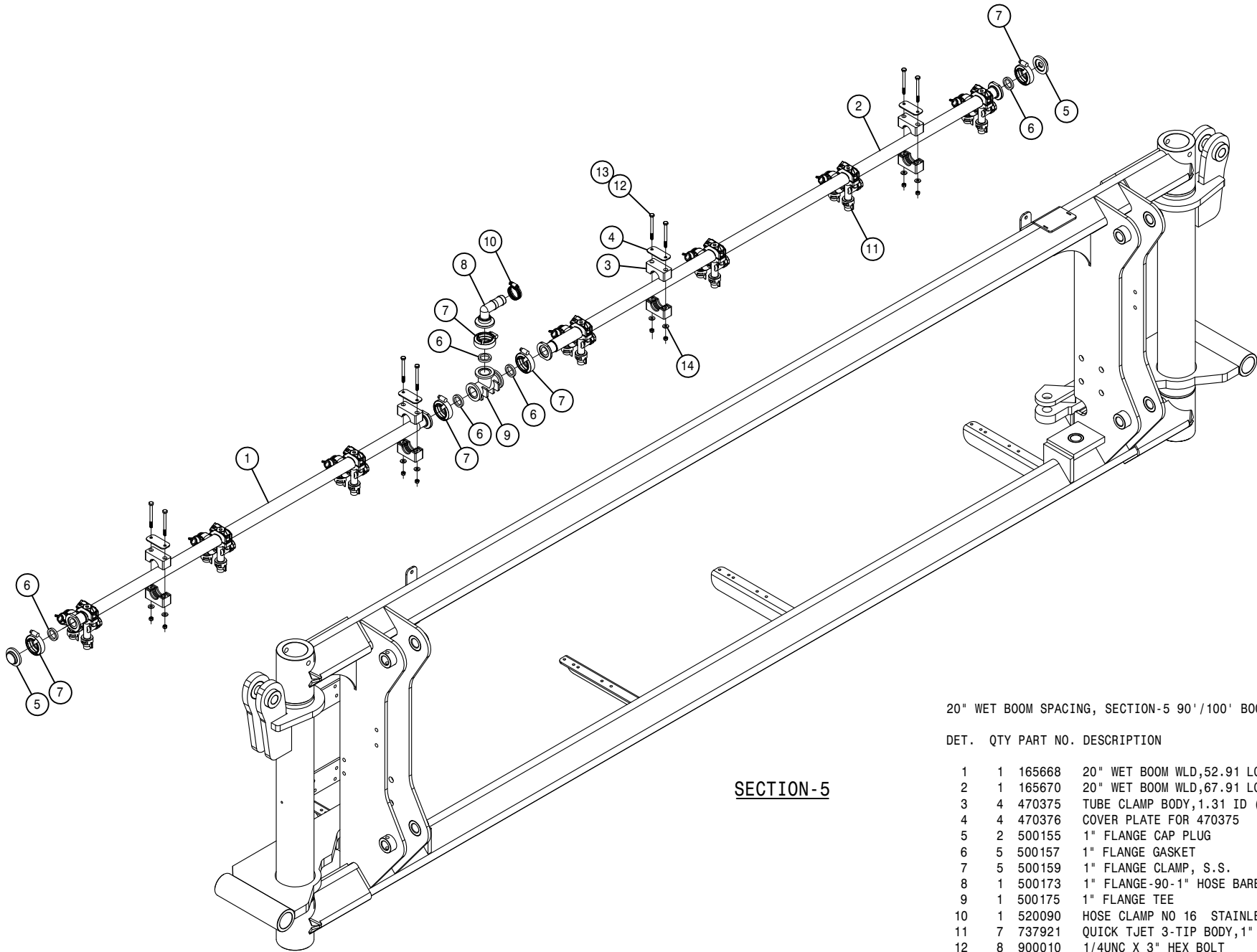


SECTION-4

SECTION-3

20" WET BOOM SPACING, SECTION 3-4 90' /100' BOOM

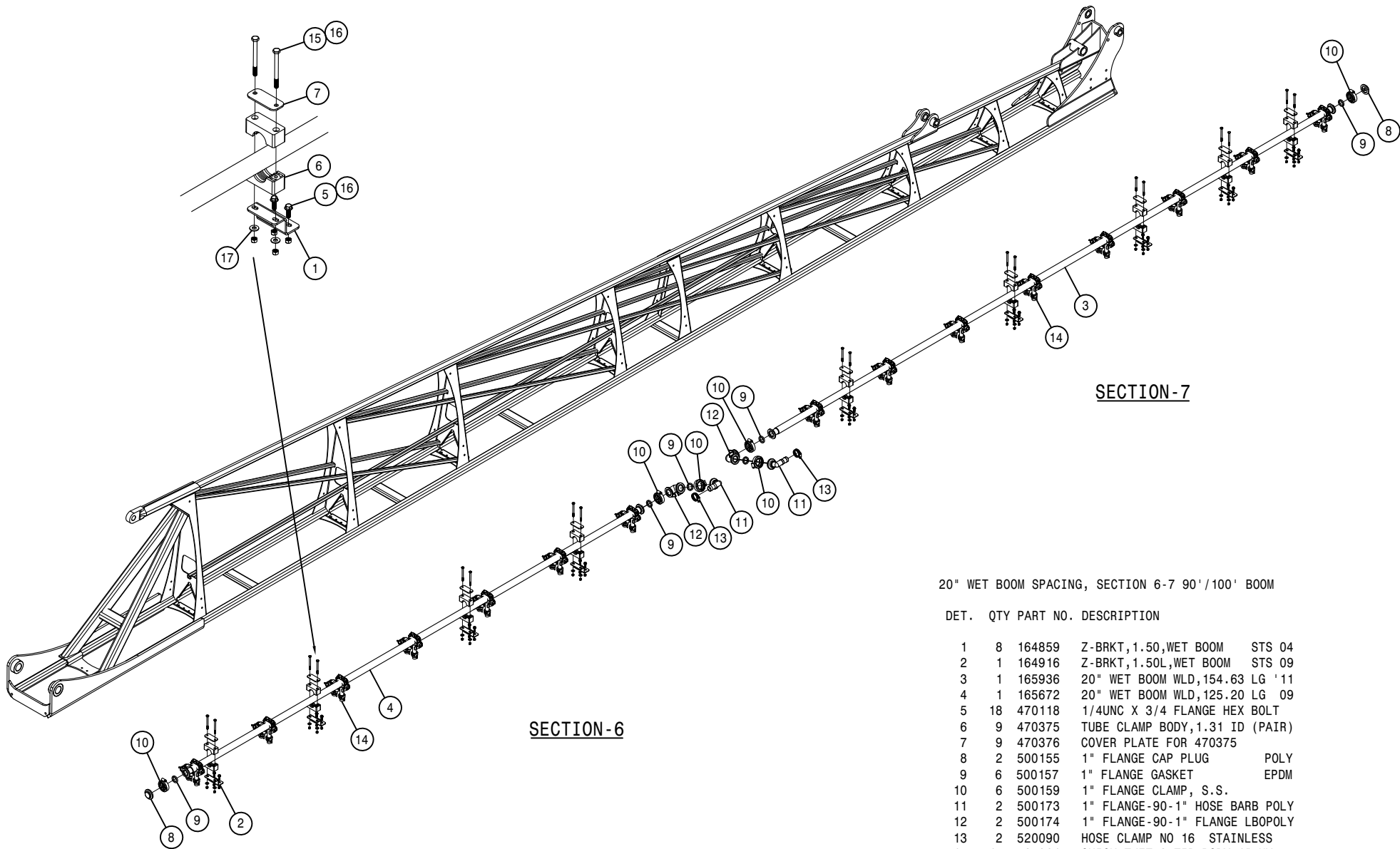
DET.	QTY	PART NO.	DESCRIPTION	
1	8	164859	Z-BRKT,1.50,WET BOOM	STS 04
2	1	165936	20" WET BOOM WLD,154.63 LG '11	
3	1	164916	Z-BRKT,1.50L,WET BOOM	STS 09
4	1	165672	20" WET BOOM WLD,125.20 LG 09	
5	18	470118	1/4UNC X 3/4 FLANGE HEX BOLT	
6	9	470375	TUBE CLAMP BODY,1.31 ID (PAIR)	
7	9	470376	COVER PLATE FOR 470375	
8	2	500155	1" FLANGE CAP PLUG	POLY
9	6	500157	1" FLANGE GASKET	EPDM
10	6	500159	1" FLANGE CLAMP, S.S.	
11	2	500173	1" FLANGE-90-1" HOSE BARB POLY	
12	2	500174	1" FLANGE-90-1" FLANGE LBOPOLY	
13	2	520090	HOSE CLAMP NO 16 STAINLESS	
14	15	737921	QUICK TJET 3-TIP BODY,1" HV	
15	18	900010	1/4UNC X 3" HEX BOLT	
16	36	914000	1/4UNC HEX STOVER NUT	
17	18	920000	1/4 SAE FLAT WASHER	



SECTION-5

20" WET BOOM SPACING, SECTION-5 90'/100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
	1	165668	20" WET BOOM WLD,52.91 LG 09
	2	165670	20" WET BOOM WLD,67.91 LG 09
	3	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
	4	470376	COVER PLATE FOR 470375
	5	500155	1" FLANGE CAP PLUG POLY
	6	500157	1" FLANGE GASKET EPDM
	7	500159	1" FLANGE CLAMP, S.S.
	8	500173	1" FLANGE-90-1" HOSE BARB POLY
	9	500175	1" FLANGE TEE POLY
	10	520090	HOSE CLAMP NO 16 STAINLESS
	11	737921	QUICK TJET 3-TIP BODY,1" HV
	12	900010	1/4UNC X 3" HEX BOLT
	13	914000	1/4UNC HEX STOVER NUT
	14	920000	1/4 SAE FLAT WASHER

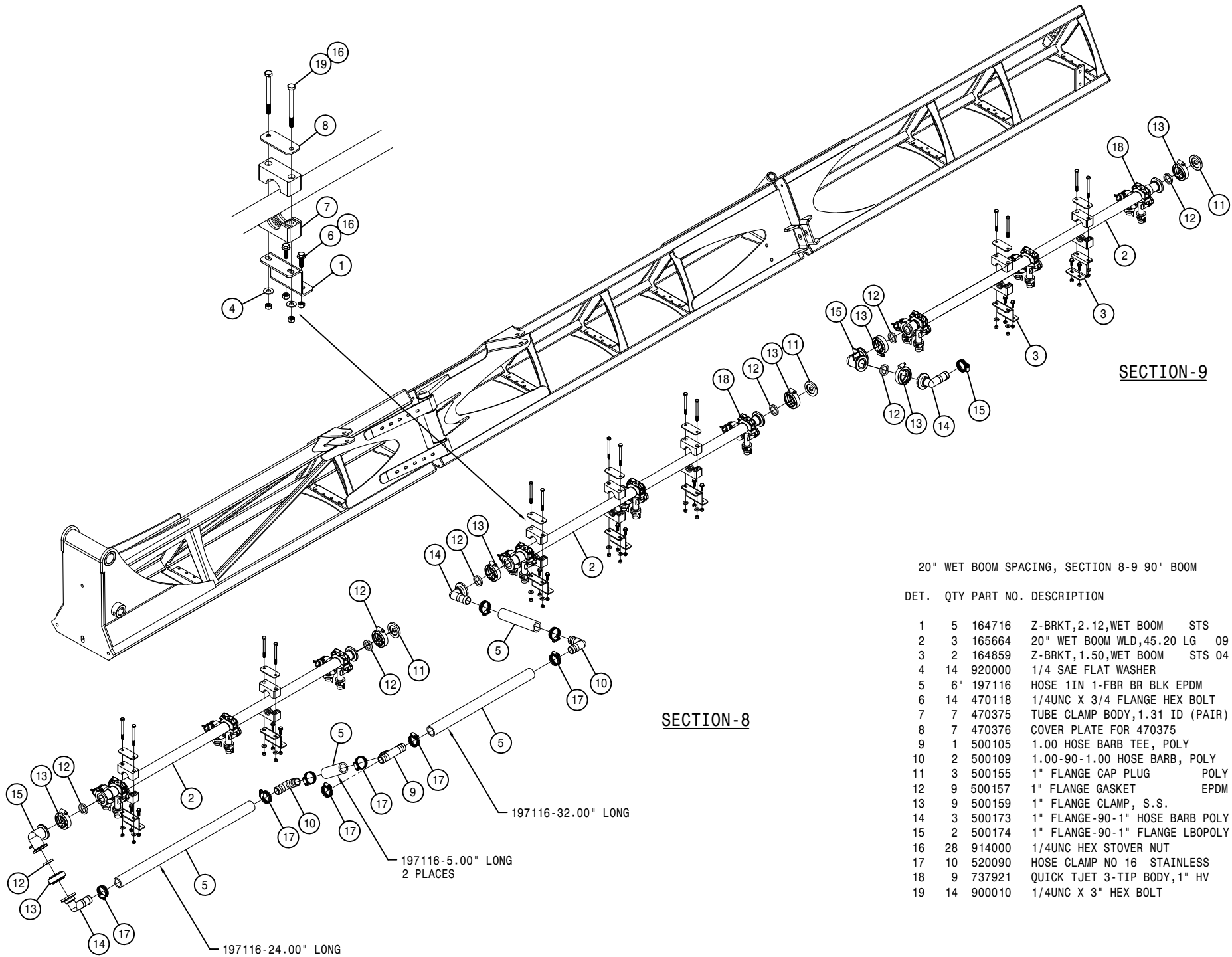


SECTION-7

SECTION-6

20" WET BOOM SPACING, SECTION 6-7 90' / 100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	8	164859	Z-BRKT, 1.50, WET BOOM STS 04
2	1	164916	Z-BRKT, 1.50L, WET BOOM STS 09
3	1	165936	20" WET BOOM WLD, 154.63 LG '11
4	1	165672	20" WET BOOM WLD, 125.20 LG '09
5	18	470118	1/4UNC X 3/4 FLANGE HEX BOLT
6	9	470375	TUBE CLAMP BODY, 1.31 ID (PAIR)
7	9	470376	COVER PLATE FOR 470375
8	2	500155	1" FLANGE CAP PLUG POLY
9	6	500157	1" FLANGE GASKET EPDM
10	6	500159	1" FLANGE CLAMP, S.S.
11	2	500173	1" FLANGE-90-1" HOSE BARB POLY
12	2	500174	1" FLANGE-90-1" FLANGE LBOPOLY
13	2	520090	HOSE CLAMP NO 16 STAINLESS
14	15	737921	QUICK TJET 3-TIP BODY, 1" HV
15	18	900010	1/4UNC X 3" HEX BOLT
16	36	914000	1/4UNC HEX STOVER NUT
17	18	920000	1/4 SAE FLAT WASHER

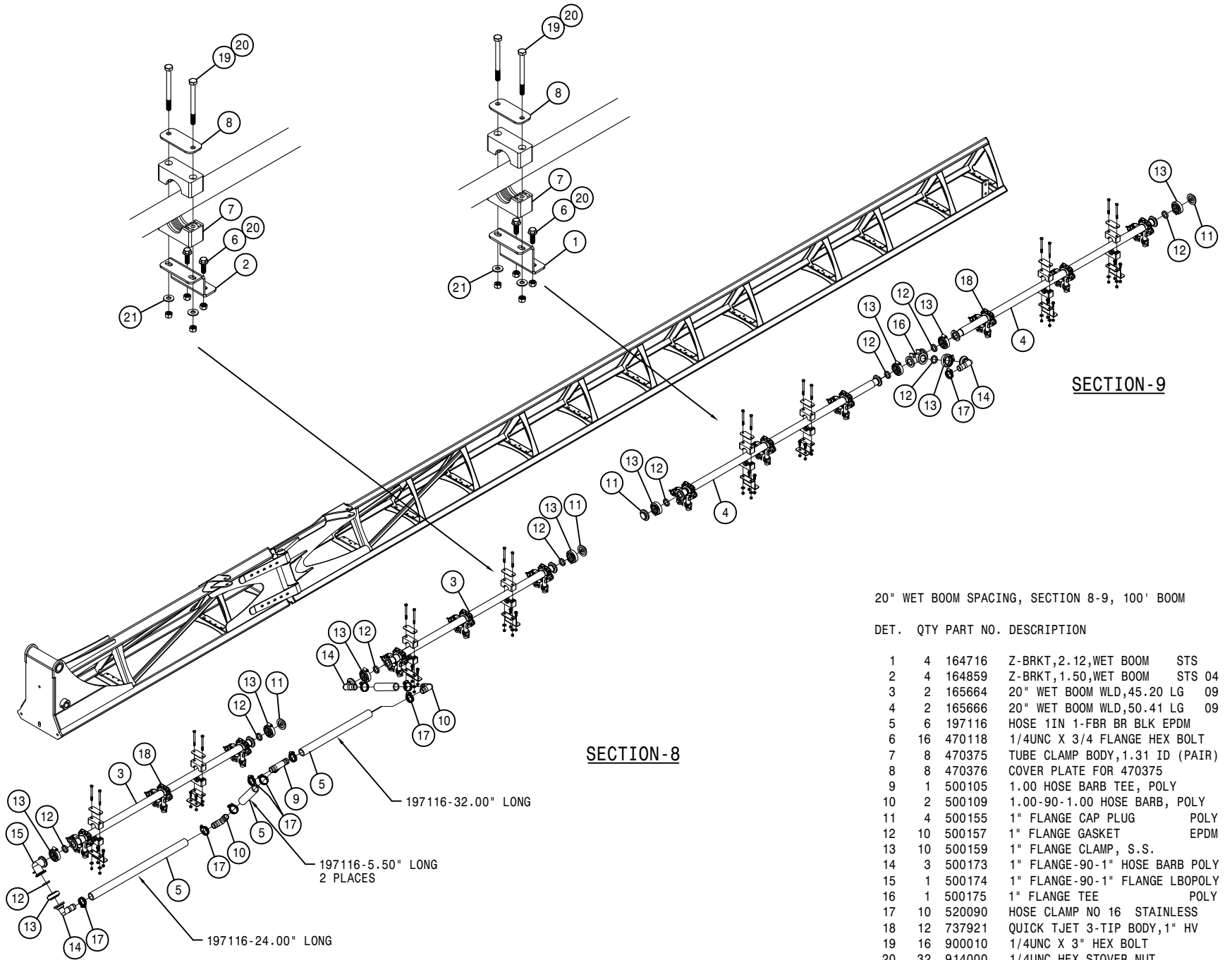


SECTION-9

SECTION-8

20" WET BOOM SPACING, SECTION 8-9 90' BOOM

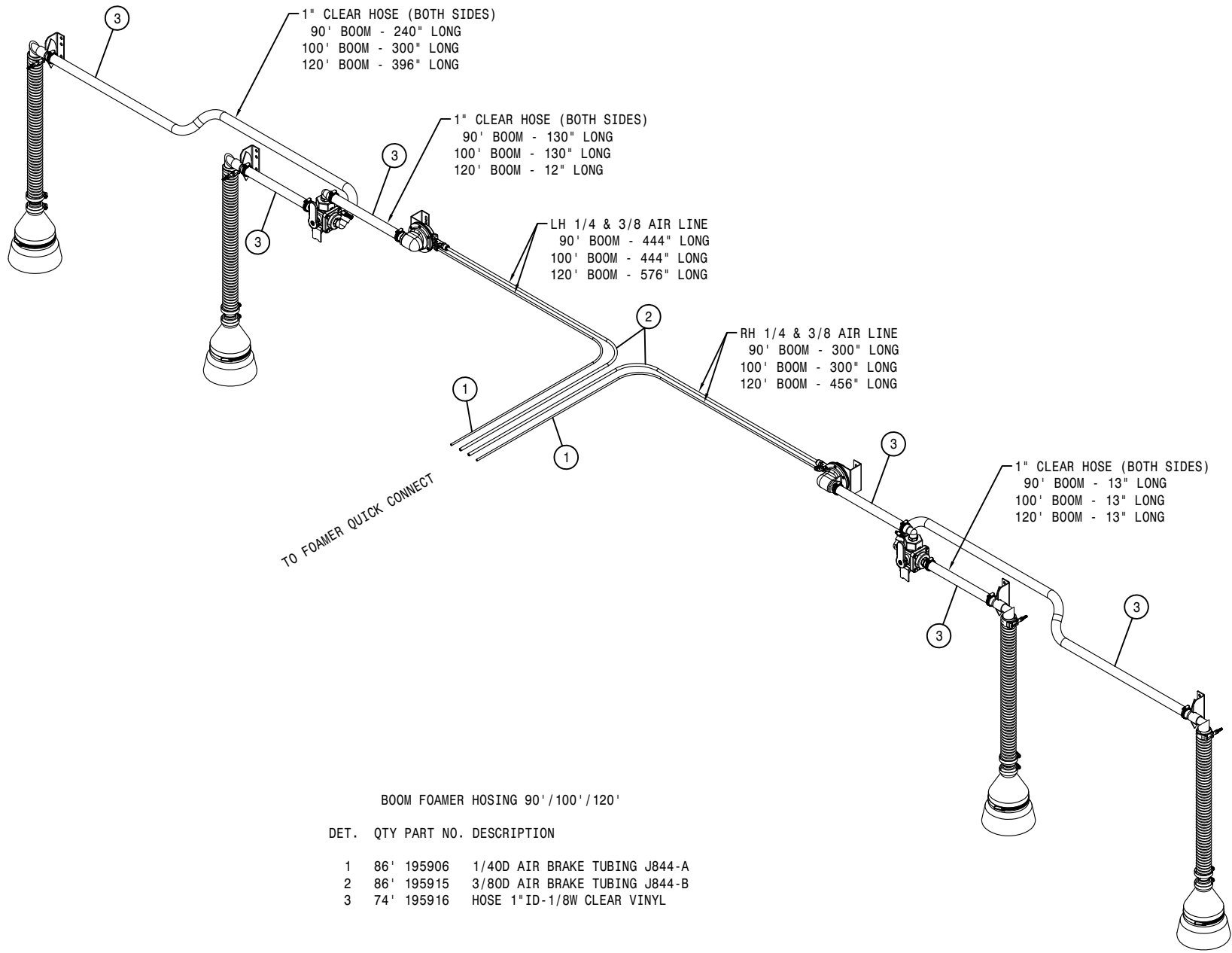
DET.	QTY	PART NO.	DESCRIPTION
1	5	164716	Z-BRKT,2.12,WET BOOM STS
2	3	165664	20" WET BOOM WLD,45.20 LG 09
3	2	164859	Z-BRKT,1.50,WET BOOM STS 04
4	14	920000	1/4 SAE FLAT WASHER
5	6'	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	14	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	7	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	7	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	3	500155	1" FLANGE CAP PLUG POLY
12	9	500157	1" FLANGE GASKET EPDM
13	9	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	2	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	28	914000	1/4UNC HEX STOVER NUT
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	9	737921	QUICK TJET 3-TIP BODY,1" HV
19	14	900010	1/4UNC X 3" HEX BOLT



20" WET BOOM SPACING, SECTION 8-9, 100' BOOM

DET. QTY PART NO. DESCRIPTION

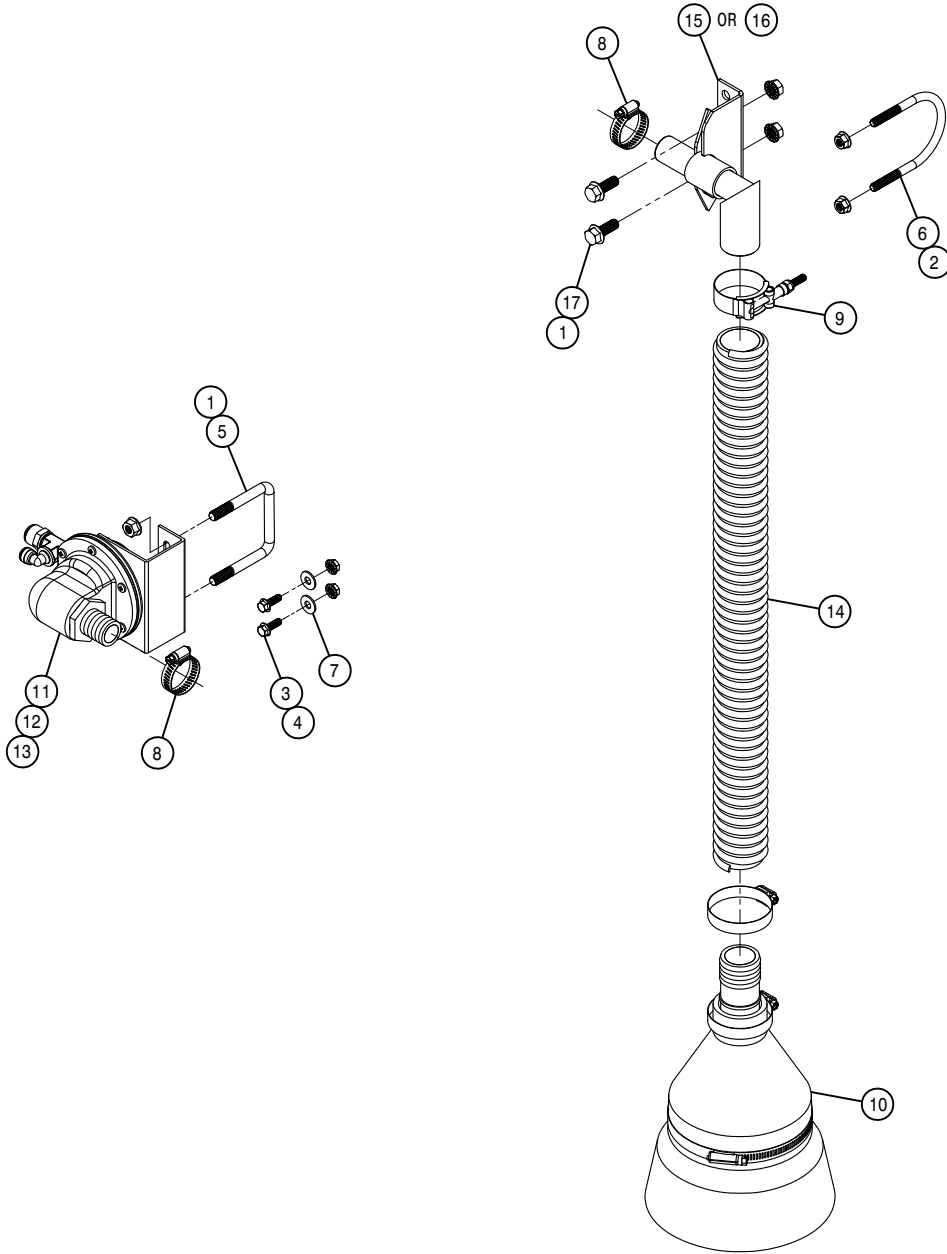
1	4	164716	Z-BRKT,2.12,WET BOOM STS
2	4	164859	Z-BRKT,1.50,WET BOOM STS 04
3	2	165664	20" WET BOOM WLD,45.20 LG 09
4	2	165666	20" WET BOOM WLD,50.41 LG 09
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	16	470118	1/4UNC X 3/4 FLANGE HEX BOLT
7	8	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
8	8	470376	COVER PLATE FOR 470375
9	1	500105	1.00 HOSE BARB TEE, POLY
10	2	500109	1.00-90-1.00 HOSE BARB, POLY
11	4	500155	1" FLANGE CAP PLUG POLY
12	10	500157	1" FLANGE GASKET EPDM
13	10	500159	1" FLANGE CLAMP, S.S.
14	3	500173	1" FLANGE-90-1" HOSE BARB POLY
15	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
16	1	500175	1" FLANGE TEE POLY
17	10	520090	HOSE CLAMP NO 16 STAINLESS
18	12	737921	QUICK TJET 3-TIP BODY,1" HV
19	16	900010	1/4UNC X 3" HEX BOLT
20	32	914000	1/4UNC HEX STOVER NUT
21	16	920000	1/4 SAE FLAT WASHER



BOOM FOAMER HOSING 90' / 100' / 120'

DET. QTY PART NO. DESCRIPTION

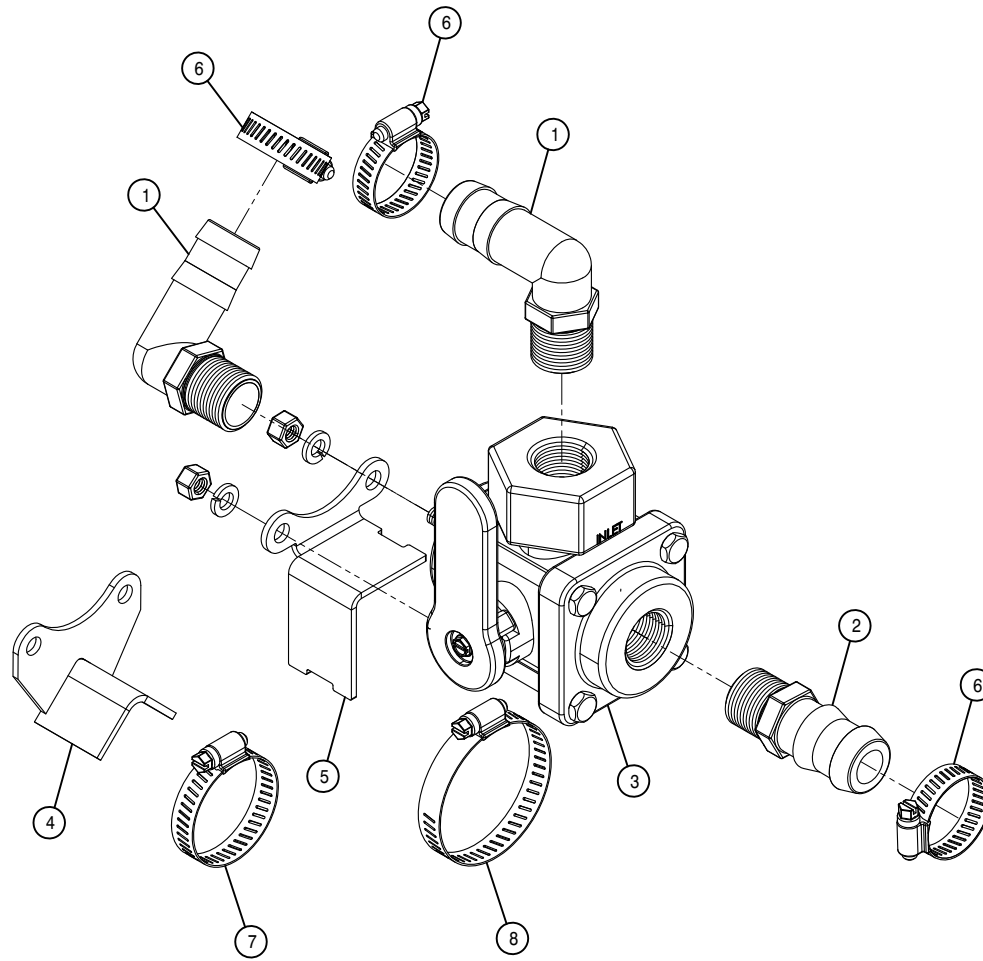
1	86'	195906	1/40D AIR BRAKE TUBING J844-A
2	86'	195915	3/80D AIR BRAKE TUBING J844-B
3	74'	195916	HOSE 1" ID-1/8W CLEAR VINYL



MIXER VALVE & FOAMER DROP HOSE 90' / 100' / 120'

DET. QTY PART NO. DESCRIPTION

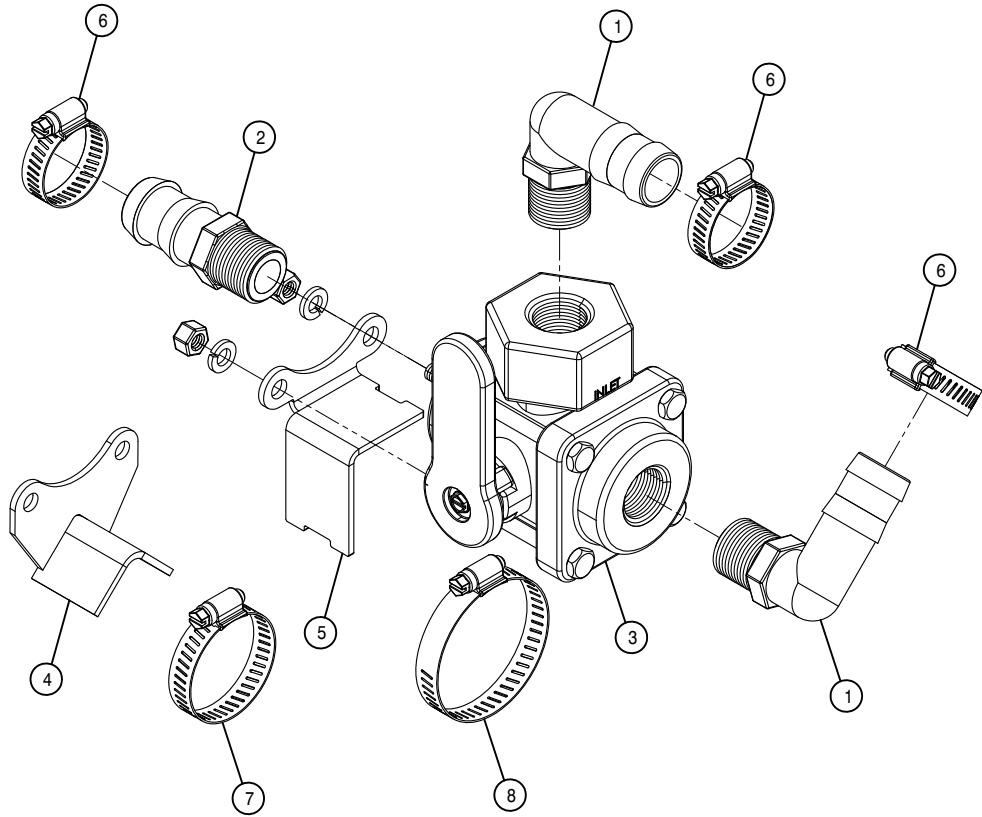
DET.	QTY	PART NO.	DESCRIPTION
1	4	470087	3/8UNC HEX FLANGE LOCK NUT
2	2	470113	5/16UNC HEX FLANGE LOCK NUT
3	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
4	2	470121	1/4UNC HEX FLANGE LOCK NUT
5	2	472036	3/8UNC-2.63ID-2.88 U-BOLT SQ
6	2	472195	5/16UNC-2 11/16ID-3 9/16U-BOLT
7	2	483038	1/4 REGULAR FLAT WASHER
8	2	520090	HOSE CLAMP NO 16 STAINLESS
9	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
10	1	701290	YELLOW 1.5" COLLECTOR DEFLECTOR
11	1	701296	FOAMHEAD ASSEMBLY, RICHWAY
12	1	701277	FOAMHEAD PRIMARY SCREEN
13	1	701278	FOAMHEAD OUTLET NIPPLE, W/SCRNS
14	1	701334	1 1/2 X 24" COIL DROP HOSE
15	1	701335	RH FOAMER DROP SWIVEL WLD '13
16	1	701336	LH FOAMER DROP SWIVEL WLD '13
17	2	900129	3/8UNC X 1" SERR FLANGE BOLT



RIGHT 3-WAY FOAMER VALVE ASSEMBLY 90' / 100' / 120'

DET. QTY PART NO. DESCRIPTION

1	2	500026	3/4NPT-90-1"HOSE BARB, POLY
2	1	500123	3/4NPT-1"HOSE BARB, POLY
3	1	696003	BALL VLV,3/4NPT 3WAY-SIDE POLY
4	1	701191	1" SOLU VLV MT WLD
5	1	701343	BALL VLV MT, 120'BOOM '13
6	3	520090	HOSE CLAMP NO 16 STAINLESS
7	1	520085	HOSE CLAMP NO 24 STAINLESS
8	1	520099	HOSE CLAMP NO 40 STAINLESS



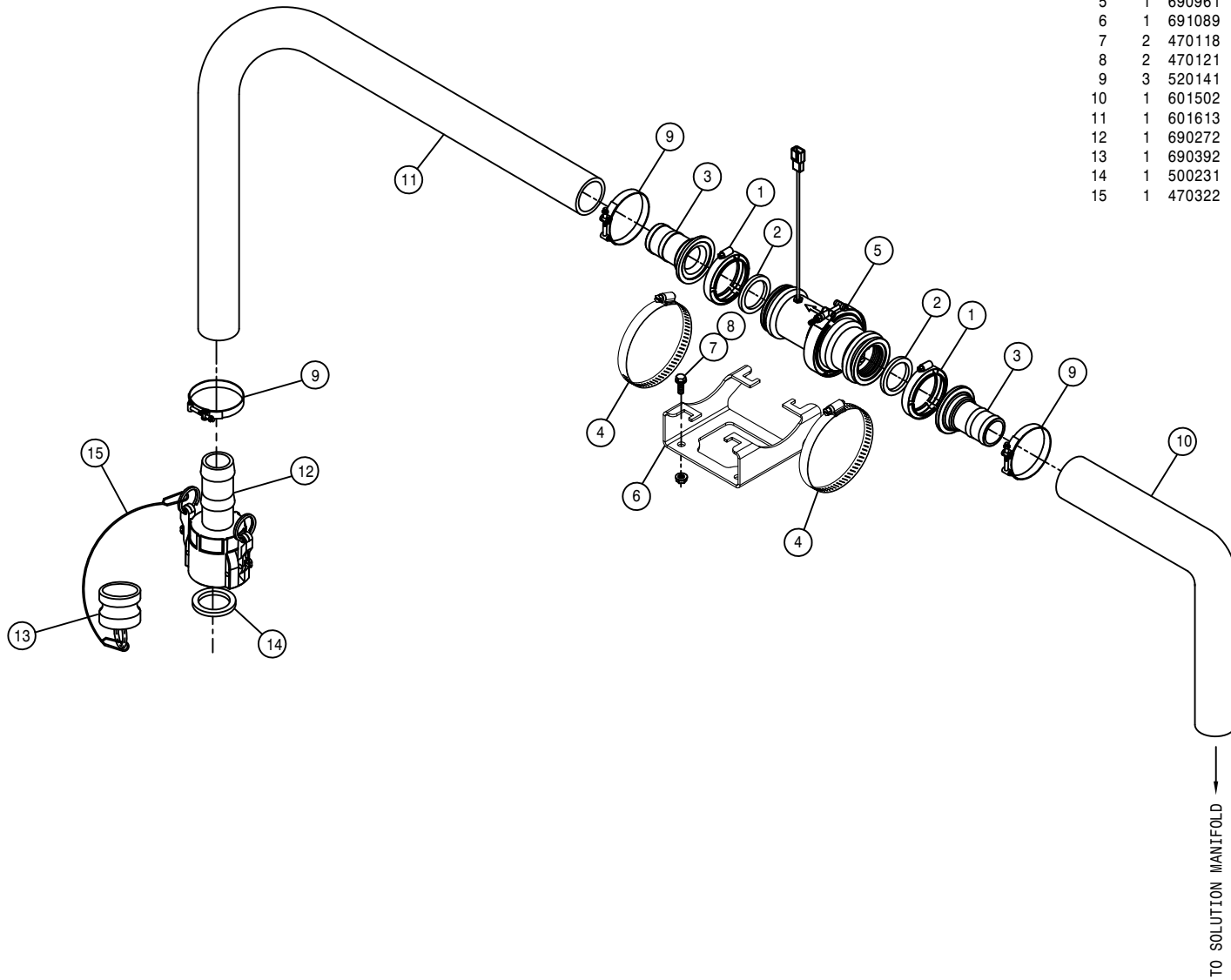
LEFT 3-WAY FOAMER VALVE ASSEMBLY 90°/100°/120°

DET.	QTY	PART NO.	DESCRIPTION
	1	2	500026 3/4NPT-90-1"HOSE BARB, POLY
	1	500123	3/4NPT-1"HOSE BARB, POLY
	1	696003	BALL VLV,3/4NPT 3WAY-SIDE POLY
	1	701191	1" SOLU VLV MT WLD
	1	701343	BALL VLV MT, 120'BOOM '13
	3	520090	HOSE CLAMP NO 16 STAINLESS
	1	520085	HOSE CLAMP NO 24 STAINLESS
	1	520099	HOSE CLAMP NO 40 STAINLESS

FLOW METER ASSEMBLY 90/100 (STD-VOLUME)

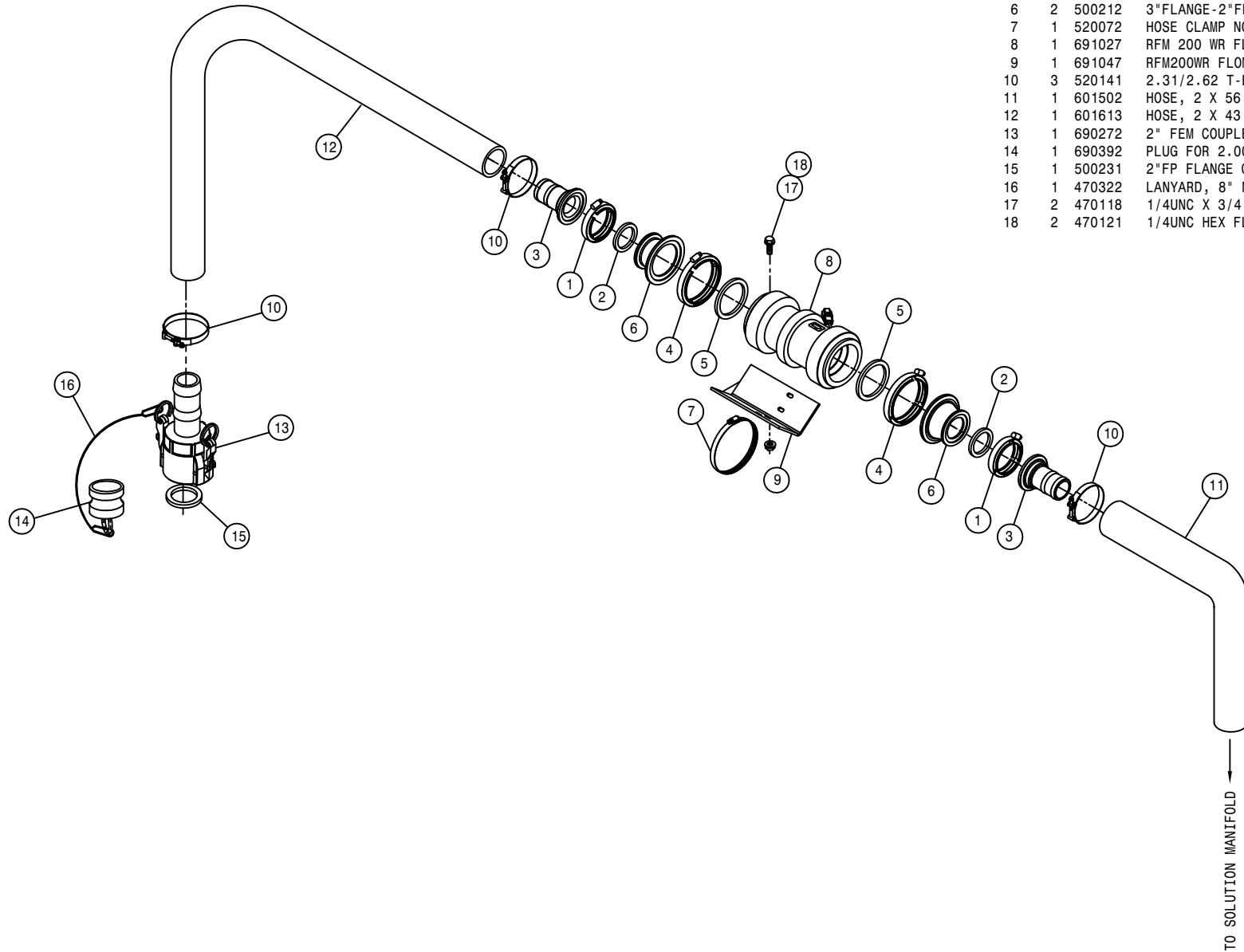
DET. QTY PART NO. DESCRIPTION

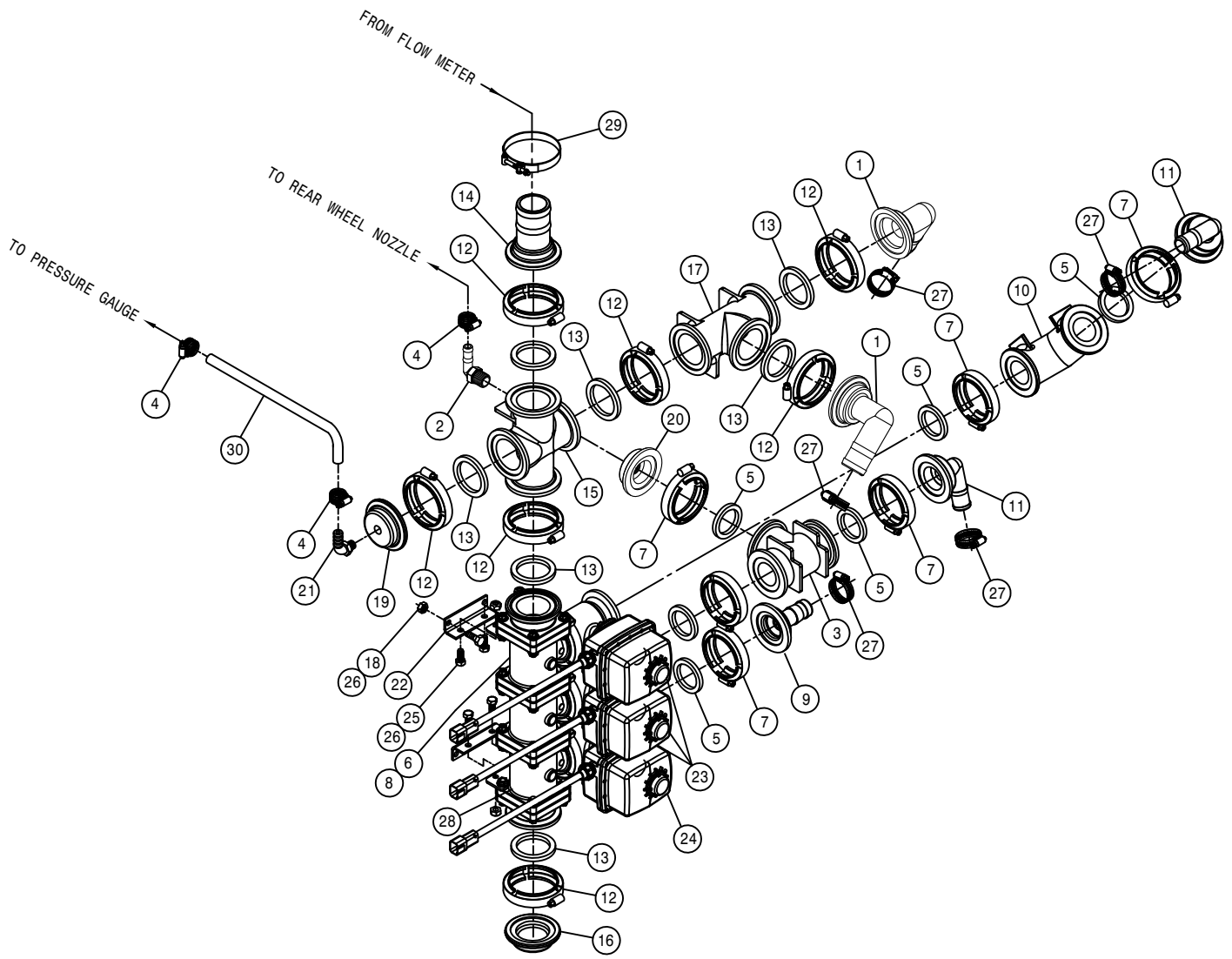
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	2	500196	2"FP FLANGE-2" HOSE BARB POLY
4	2	520056	HOSE CLAMP NO 56 STAINLESS
5	1	690961	RFM 100 FLOW METER, RAVEN 05
6	1	691089	FLOW METER MOUNT
7	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
8	2	470121	1/4UNC HEX FLANGE LOCK NUT
9	3	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
10	1	601502	HOSE, 2 X 56 2F-1W EPDM
11	1	601613	HOSE, 2 X 43 2F-1W EPDM
12	1	690272	2" FEM COUPLER W/LOCK, 2" BARB
13	1	690392	PLUG FOR 2.00 FEMALE COUPLER
14	1	500231	2"FP FLANGE GASKET, EXTRA THICK
15	1	470322	LANYARD, 8" NYLON LOOP/LOOP



FLOW METER ASSEMBLY 90/100 (HI-VOLUME)

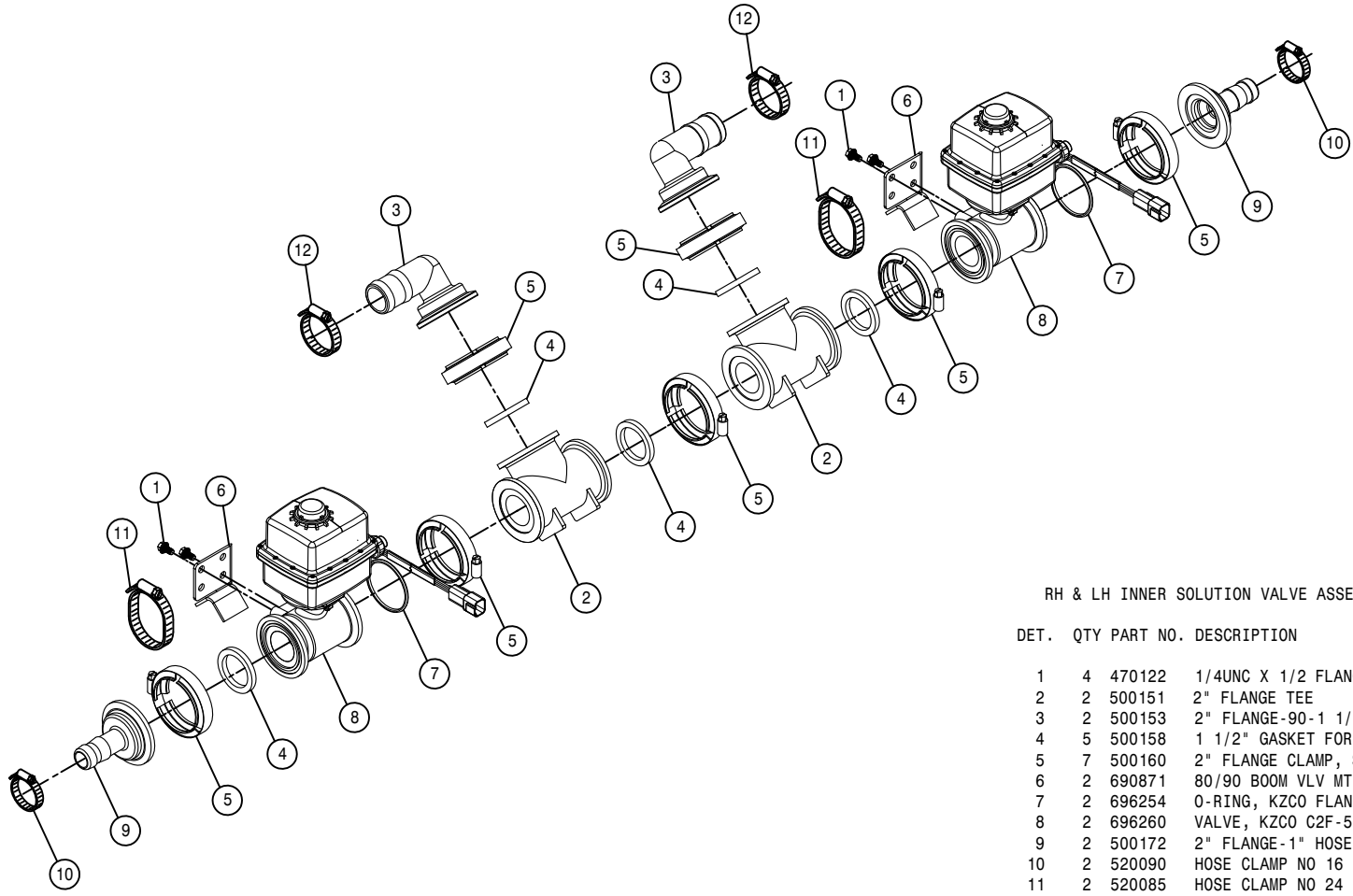
DET.	QTY	PART NO.	DESCRIPTION
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	2	500196	2"FP FLANGE-2" HOSE BARB POLY
4	2	500208	3" FLANGE CLAMP, S.S.
5	2	500209	3" FLANGE GASKET EPDM
6	2	500212	3"FLANGE-2"FP FLANGE REDU POLY
7	1	520072	HOSE CLAMP NO 72 STAINLESS
8	1	691027	RFM 200 WR FLOW METER, RAVEN
9	1	691047	RFM200WR FLOMETER MT WLD,STS06
10	3	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
11	1	601502	HOSE, 2 X 56 2F-1W EPDM
12	1	601613	HOSE, 2 X 43 2F-1W EPDM
13	1	690272	2" FEM COUPLER W/LOCK,2" BARB
14	1	690392	PLUG FOR 2.00 FEMALE COUPLER
15	1	500231	2"FP FLANGE GASKET,EXTRA THICK
16	1	470322	LANYARD, 8" NYLON LOOP/LOOP
17	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
18	2	470121	1/4UNC HEX FLANGE LOCK NUT





SOLUTION CONTROL VALVE ASSEMBLY 90/100

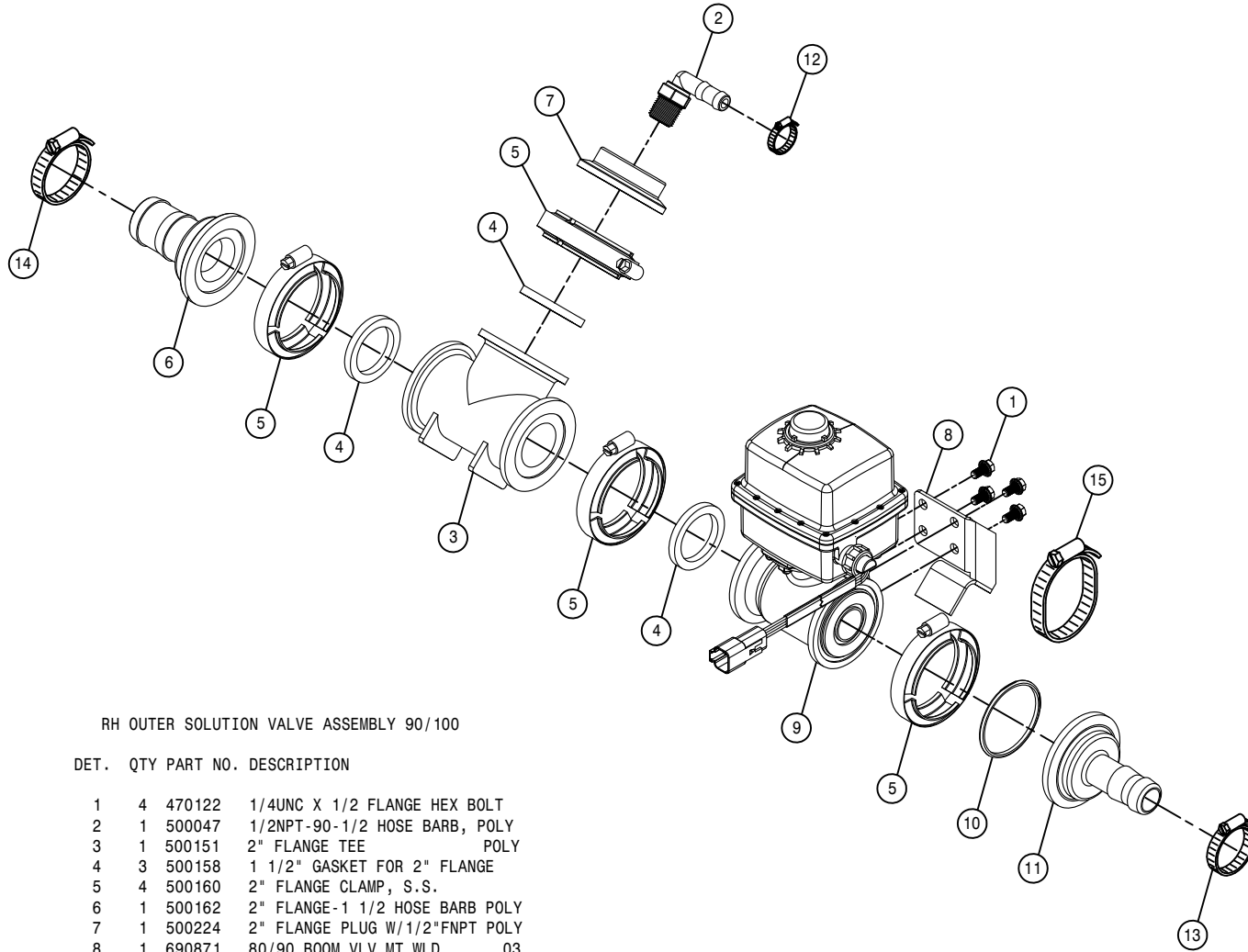
DET.	QTY	PART NO.	DESCRIPTION
1	2	500197	2" FP FLANGE-90-1 1/2 HBARB
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE POLY
4	3	520070	HOSE CLAMP NO 8 STAINLESS
5	6	500158	1 1/2" GASKET FOR 2" FLANGE
6	7	696254	O-RING, KZCO FLANGED VALVES
7	6	500160	2" FLANGE CLAMP, S.S.
8	2	696255	END CAP,220 FLANGE VLV 696253
9	1	500172	2" FLANGE-1" HOSE BARB POLY
10	1	500180	2"FLANGE-90-2"FLANGE LBO, LONG
11	2	500189	2" FLANGE-90-1" HOSE BARB POLY
12	7	500194	2"FP FLANGE CLAMP, S.S.
13	7	500195	2"FP FLANGE GASKET EPDM
14	1	500196	2"FP FLANGE-2" HOSE BARB POLY
15	1	500203	2"FP FLANGE CROSS POLY
16	1	500206	2"FP FLANGE PLUG
17	1	500207	2"FP FLANGE TEE POLY
18	4	900065	5/16UNC X 1" HEX BOLT
19	1	500229	2"FP FLANGE PLUG,1/4FNPT POLY
20	1	500224	2" FLANGE PLUG W/1/2"FNPT POLY
21	1	618556	1/4NPT-90-1/2 HOSE BARB,POLY
22	2	690870	SOLU VLV MANIF MT BRKT STS 03
23	3	696260	VALVE, KZCO C2F-55B-M-S9
24	1	696259	VALVE, 3 SECT KZCO 400-3CIM-DJ
25	4	900064	5/16UNC X 3/4 HEX BOLT
26	8	914002	5/16UNC HEX STOVER NUT
27	5	520090	HOSE CLAMP NO 16 STAINLESS
28	3	696269	MANIFOLD SECT,1" (696253/259)
29	1	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
30	1	601634	HOSE, 1/2 X 78 1BR BLK EPDM



RH & LH INNER SOLUTION VALVE ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

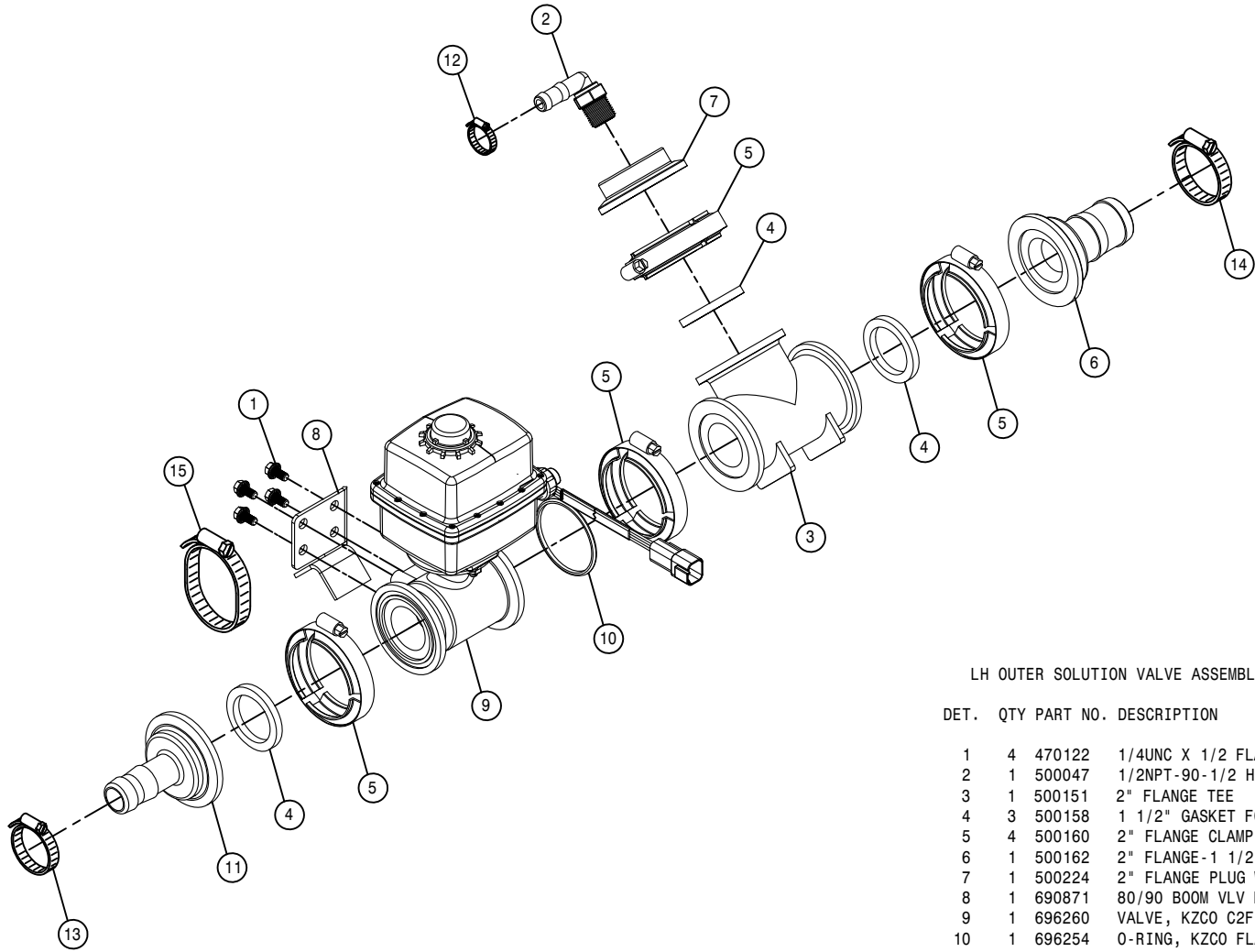
1	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
2	2	500151	2" FLANGE TEE POLY
3	2	500153	2" FLANGE-90-1 1/2 HBARB POLY
4	5	500158	1 1/2" GASKET FOR 2" FLANGE
5	7	500160	2" FLANGE CLAMP, S.S.
6	2	690871	80/90 BOOM VLV MT WLD 03
7	2	696254	O-RING, KZCO FLANGED VALVES
8	2	696260	VALVE, KZCO C2F-55B-M-S9
9	2	500172	2" FLANGE-1" HOSE BARB POLY
10	2	520090	HOSE CLAMP NO 16 STAINLESS
11	2	520085	HOSE CLAMP NO 24 STAINLESS
12	2	520067	HOSE CLAMP NO 28 STAINLESS



RH OUTER SOLUTION VALVE ASSEMBLY 90/100

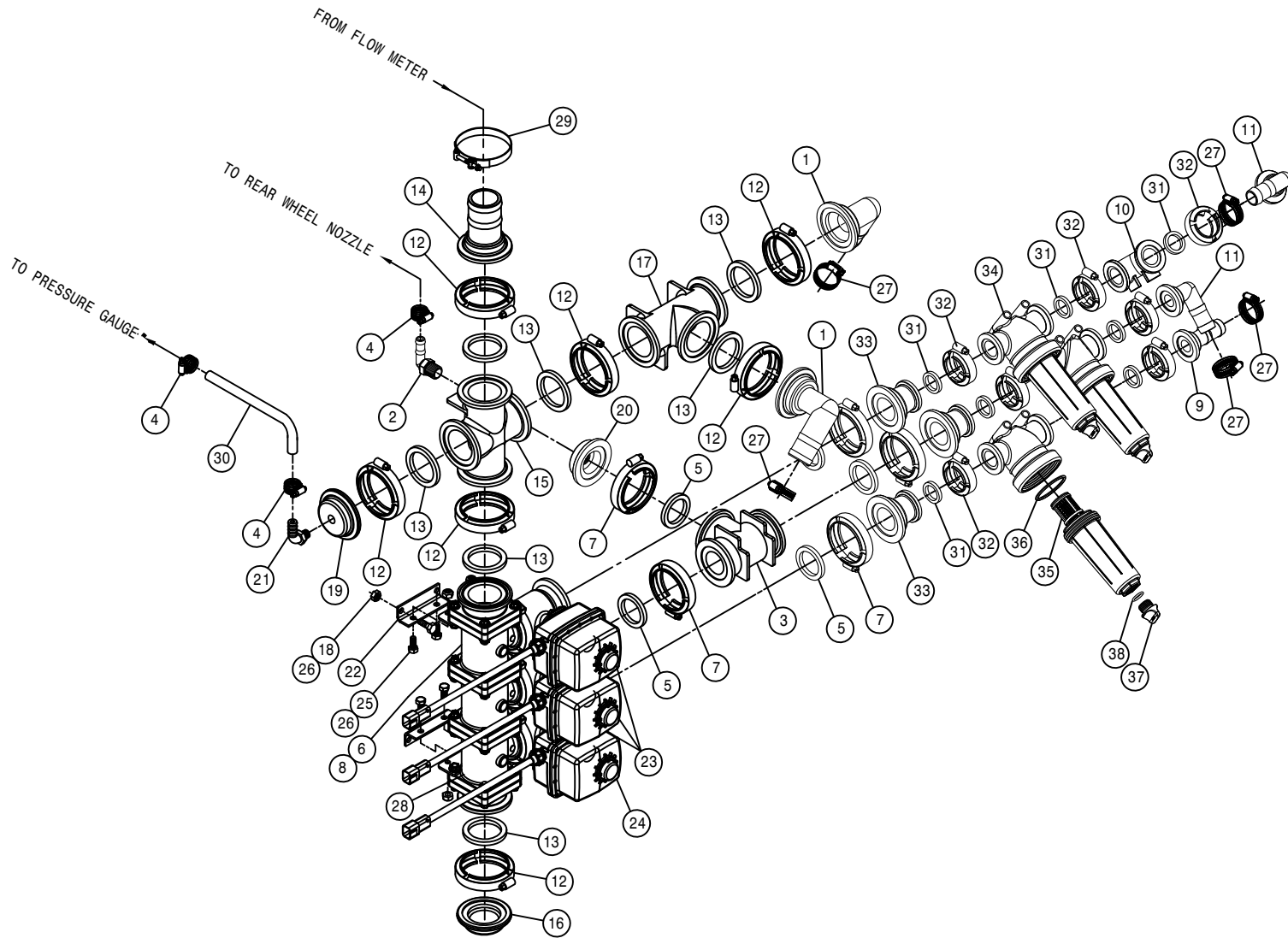
DET. QTY PART NO. DESCRIPTION

1	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE POLY
4	3	500158	1 1/2" GASKET FOR 2" FLANGE
5	4	500160	2" FLANGE CLAMP, S.S.
6	1	500162	2" FLANGE-1 1/2 HOSE BARB POLY
7	1	500224	2" FLANGE PLUG W/1/2"FNPT POLY
8	1	690871	80/90 BOOM VLV MT WLD 03
9	1	696260	VALVE, KZCO C2F-55B-M-S9
10	1	696254	O-RING, KZCO FLANGED VALVES
11	1	500172	2" FLANGE-1" HOSE BARB POLY
12	1	520070	HOSE CLAMP NO 8 STAINLESS
13	1	520090	HOSE CLAMP NO 16 STAINLESS
14	1	520067	HOSE CLAMP NO 28 STAINLESS
15	1	520085	HOSE CLAMP NO 24 STAINLESS



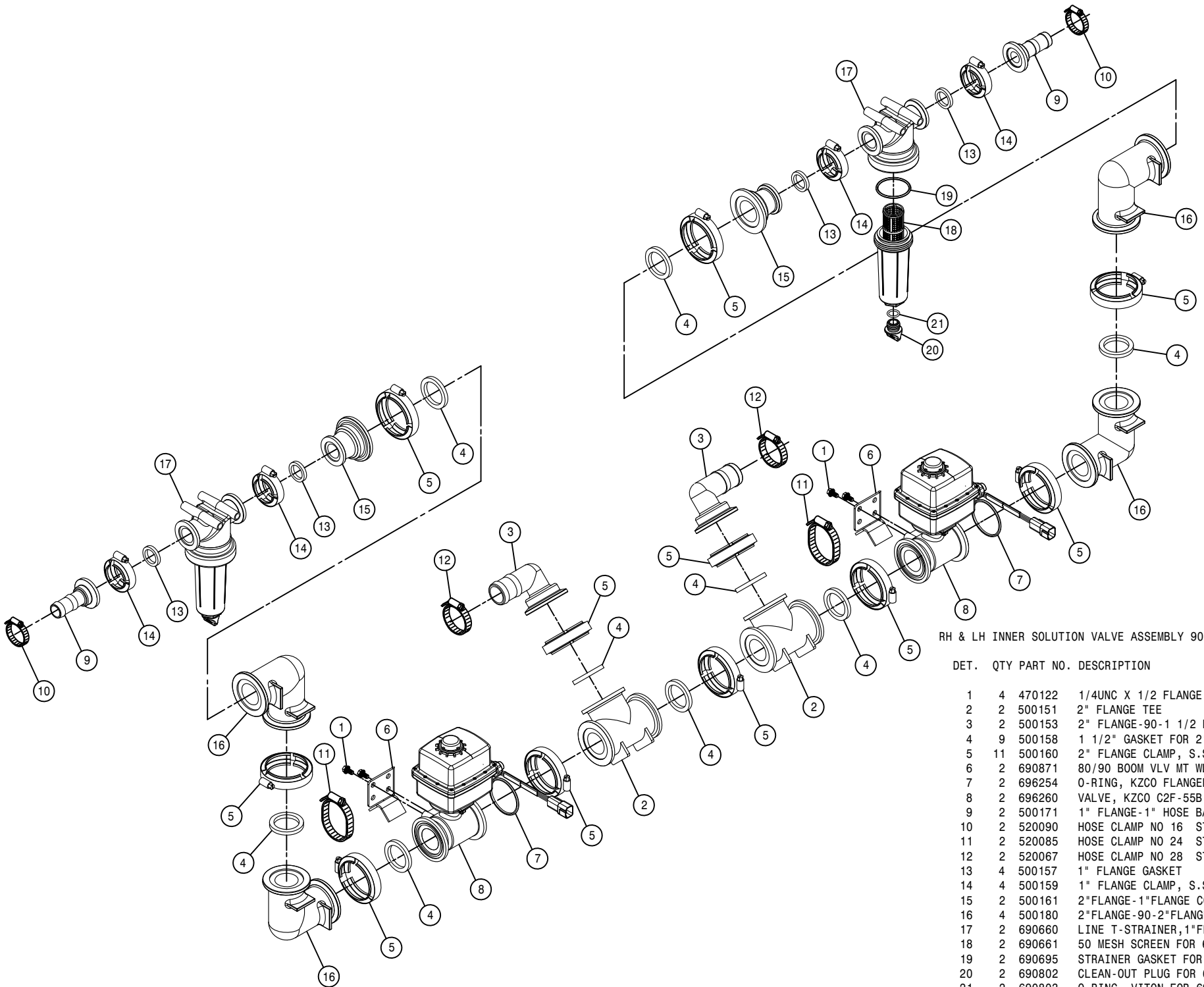
LH OUTER SOLUTION VALVE ASSEMBLY 90/100

DET.	QTY	PART NO.	DESCRIPTION
	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
	1	500151	2" FLANGE TEE POLY
	3	500158	1 1/2" GASKET FOR 2" FLANGE
	4	500160	2" FLANGE CLAMP, S.S.
	1	500162	2" FLANGE-1 1/2 HOSE BARB POLY
	1	500224	2" FLANGE PLUG W/1/2"FNPT POLY
	1	690871	80/90 BOOM VLV MT WLD 03
	1	696260	VALVE, KZCO C2F-55B-M-S9
	1	696254	O-RING, KZCO FLANGED VALVES
	1	500172	2" FLANGE-1" HOSE BARB POLY
	1	520070	HOSE CLAMP NO 8 STAINLESS
	1	520090	HOSE CLAMP NO 16 STAINLESS
	1	520067	HOSE CLAMP NO 28 STAINLESS
	1	520085	HOSE CLAMP NO 24 STAINLESS



SOLUTION CONTROL VALVE ASSEMBLY 90/100 W/SCREENS

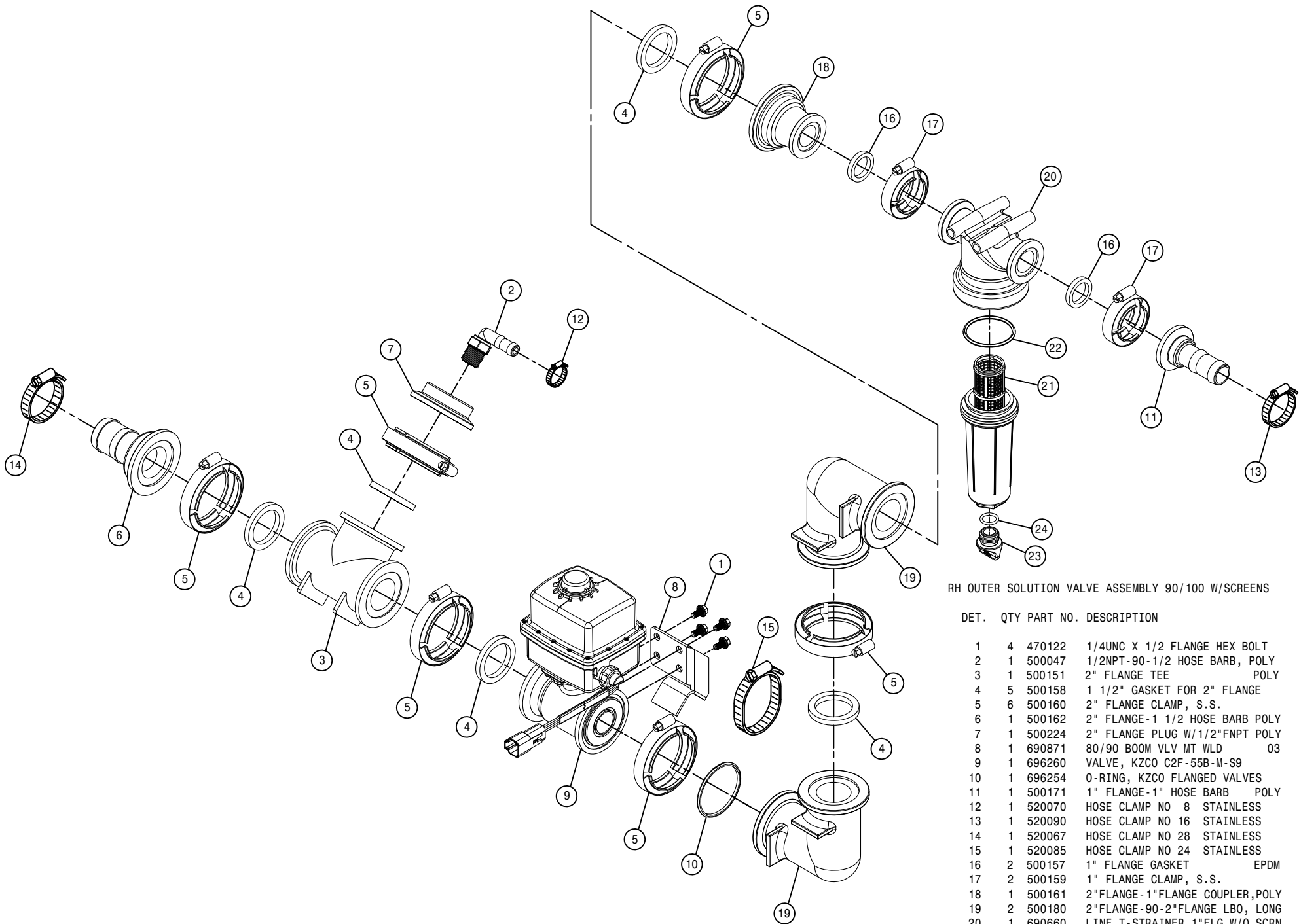
DET.	QTY	PART NO.	DESCRIPTION
1	2	500197	2" FP FLANGE-90-1 1/2 HBARB
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE POLY
4	3	520070	HOSE CLAMP NO 8 STAINLESS
5	5	500158	1 1/2" GASKET FOR 2" FLANGE
6	7	696254	O-RING, KZCO FLANGED VALVES
7	5	500160	2" FLANGE CLAMP, S.S.
8	2	696255	END CAP,220 FLANGE VLV 696253
9	1	500171	1" FLANGE-1" HOSE BARB POLY
10	1	500174	1" FLANGE-90-1" FLANGE LBOPOLY
11	2	500173	1" FLANGE-90-1" HOSE BARB POLY
12	7	500194	2"FP FLANGE CLAMP, S.S.
13	7	500195	2"FP FLANGE GASKET EPDM
14	1	500196	2"FP FLANGE-2" HOSE BARB POLY
15	1	500203	2"FP FLANGE CROSS POLY
16	1	500206	2"FP FLANGE PLUG
17	1	500207	2"FP FLANGE TEE POLY
18	4	900065	5/16UNC X 1" HEX BOLT
19	1	500229	2"FP FLANGE PLUG,1/4FNPT POLY
20	1	500224	2" FLANGE PLUG W/1/2"FNPT POLY
21	1	618556	1/4NPT-90-1/2 HOSE BARB,POLY
22	2	690870	SOLU VLV MANIF MT BRKT STS 03
23	3	696260	VALVE, KZCO C2F-55B-M-S9
24	1	696259	VALVE, 3 SECT KZCO 400-3CIM-DJ
25	4	900064	5/16UNC X 3/4 HEX BOLT
26	8	914002	5/16UNC HEX STOVER NUT
27	5	520090	HOSE CLAMP NO 16 STAINLESS
28	3	696269	MANIFOLD SECT,1" (696253/259)
29	1	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
30	1	601634	HOSE, 1/2 X 78 1BR BLK EPDM
31	7	500157	1" FLANGE GASKET EPDM
32	7	500159	1" FLANGE CLAMP, S.S.
33	3	500161	2"FLANGE-1"FLANGE COUPLER,POLY
34	3	690660	LINE T-STRAINER,1"FLG,W/O SCR
35	3	690661	50 MESH SCREEN FOR 690660
36	3	690695	STRAINER GASKET FOR 690660
37	3	690802	CLEAN-OUT PLUG FOR 690660
38	3	690803	O-RING, VITON FOR 690802 PLUG



RH & LH INNER SOLUTION VALVE ASSEMBLY 90/100 W/SCREENS

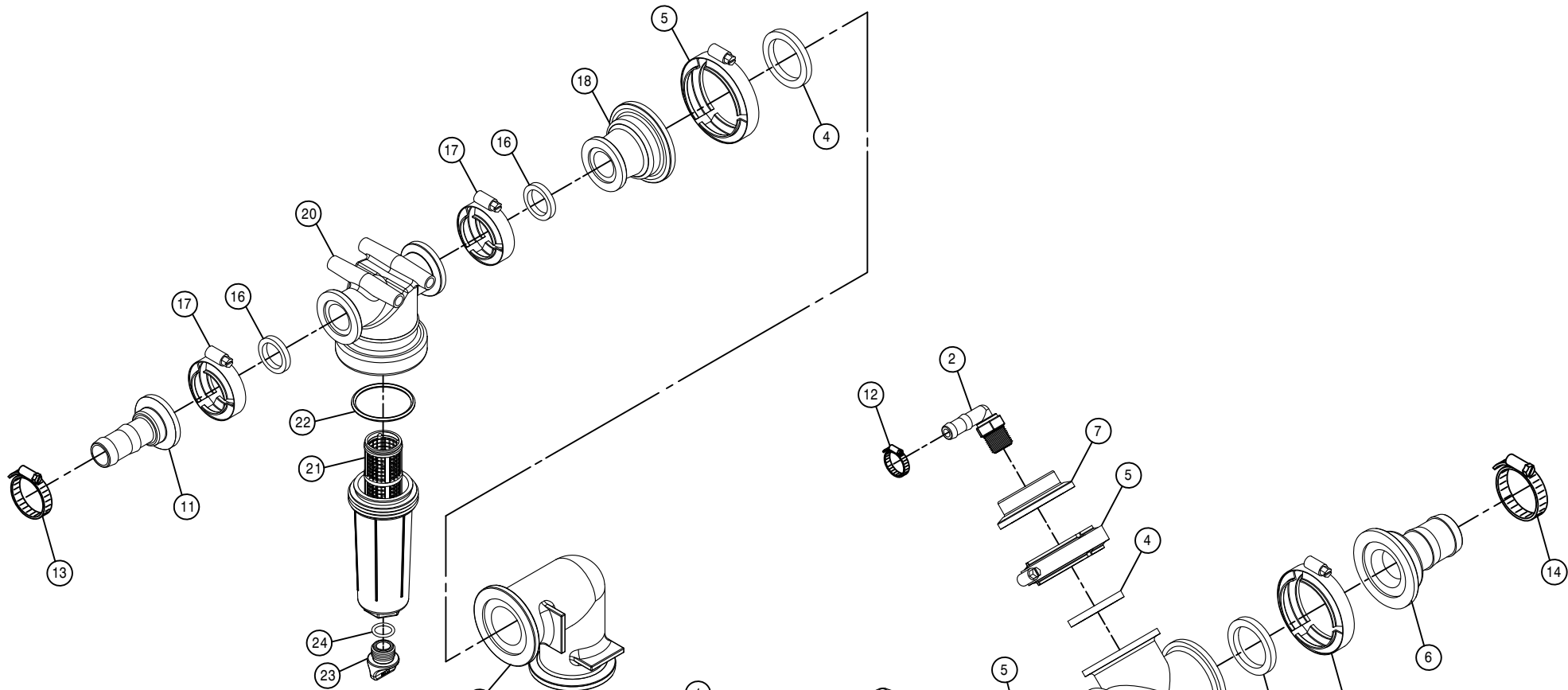
DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
2	2	500151	2" FLANGE TEE POLY
3	2	500153	2" FLANGE-90-1 1/2 HBARB POLY
4	9	500158	1 1/2" GASKET FOR 2" FLANGE
5	11	500160	2" FLANGE CLAMP, S.S.
6	2	690871	80/90 BOOM VLV MT WLD 03
7	2	696254	O-RING, KZCO FLANGED VALVES
8	2	696260	VALVE, KZCO C2F-55B-M-S9
9	2	500171	1" FLANGE-1" HOSE BARB POLY
10	2	520090	HOSE CLAMP NO 16 STAINLESS
11	2	520085	HOSE CLAMP NO 24 STAINLESS
12	2	520067	HOSE CLAMP NO 28 STAINLESS
13	4	500157	1" FLANGE GASKET EPDM
14	4	500159	1" FLANGE CLAMP, S.S.
15	2	500161	2"FLANGE-1"FLANGE COUPLER,POLY
16	4	500180	2"FLANGE-90-2"FLANGE LBO, LONG
17	2	690660	LINE T-STRAINER,1"FLG,W/O SCRN
18	2	690661	50 MESH SCREEN FOR 690660
19	2	690695	STRAINER GASKET FOR 690660
20	2	690802	CLEAN-OUT PLUG FOR 690660
21	2	690803	O-RING, VITON FOR 690802 PLUG



RH OUTER SOLUTION VALVE ASSEMBLY 90/100 W/SCREENS

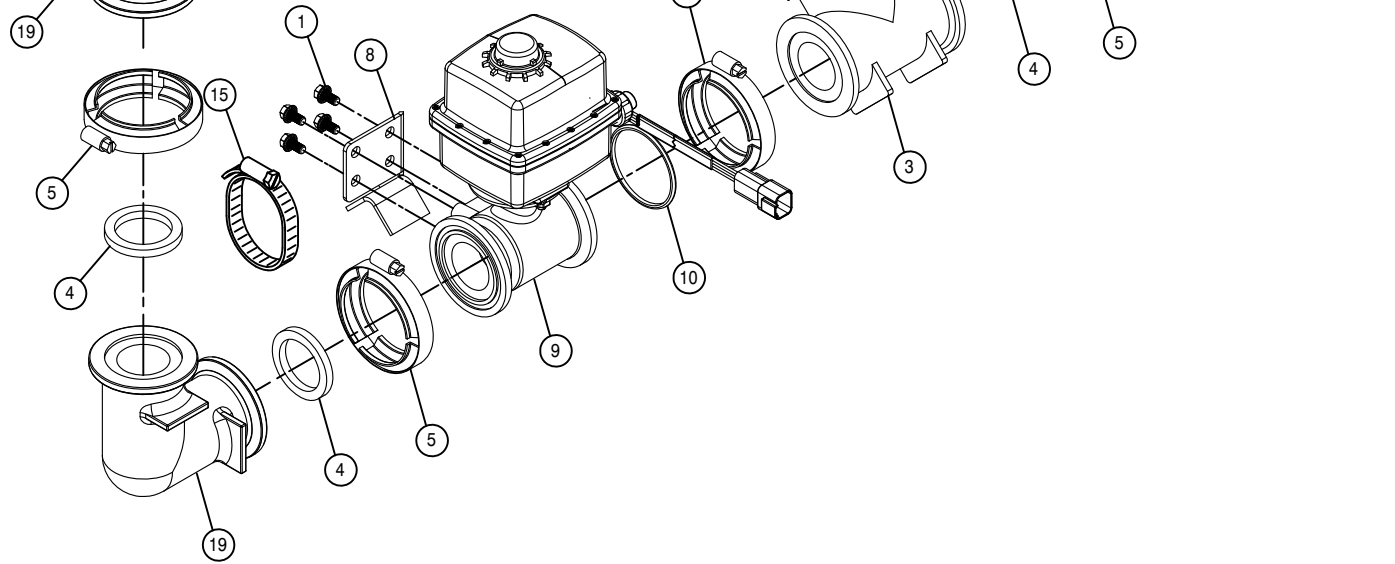
DET.	QTY	PART NO.	DESCRIPTION
1	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE POLY
4	5	500158	1 1/2" GASKET FOR 2" FLANGE
5	6	500160	2" FLANGE CLAMP, S.S.
6	1	500162	2" FLANGE-1 1/2 HOSE BARB POLY
7	1	500224	2" FLANGE PLUG W/1/2"FNPT POLY
8	1	690871	80/90 BOOM VLV MT WLD 03
9	1	696260	VALVE, KZCO C2F-55B-M-S9
10	1	696254	O-RING, KZCO FLANGED VALVES
11	1	500171	1" FLANGE-1" HOSE BARB POLY
12	1	520070	HOSE CLAMP NO 8 STAINLESS
13	1	520090	HOSE CLAMP NO 16 STAINLESS
14	1	520067	HOSE CLAMP NO 28 STAINLESS
15	1	520085	HOSE CLAMP NO 24 STAINLESS
16	2	500157	1" FLANGE GASKET EPDM
17	2	500159	1" FLANGE CLAMP, S.S.
18	1	500161	2"FLANGE-1"FLANGE COUPLER,POLY
19	2	500180	2"FLANGE-90-2"FLANGE LBO, LONG
20	1	690660	LINE T-STRAINER,1"FLG,W/O SCR
21	1	690661	50 MESH SCREEN FOR 690660
22	1	690695	STRAINER GASKET FOR 690660
23	1	690802	CLEAN-OUT PLUG FOR 690660
24	1	690803	O-RING, VITON FOR 690802 PLUG

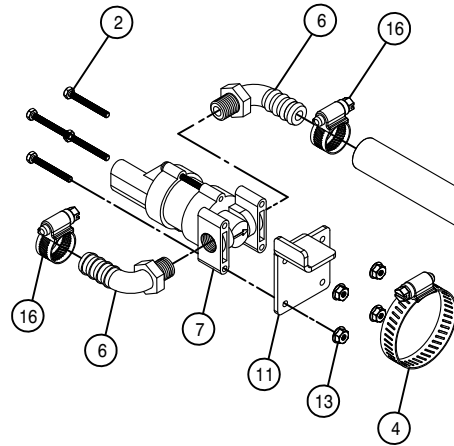


LH OUTER SOLUTION VALVE ASSEMBLY 90/100 W/SCREENS

DET. QTY PART NO. DESCRIPTION

1	4	470122	1/4UNC X 1/2 FLANGE HEX BOLT
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE POLY
4	5	500158	1 1/2" GASKET FOR 2" FLANGE
5	6	500160	2" FLANGE CLAMP, S.S.
6	1	500162	2" FLANGE-1 1/2 HOSE BARB POLY
7	1	500224	2" FLANGE PLUG W/1/2"FNPT POLY
8	1	690871	80/90 BOOM VLV MT WLD 03
9	1	696260	VALVE, KZCO C2F-55B-M-S9
10	1	696254	O-RING, KZCO FLANGED VALVES
11	1	500171	1" FLANGE-1" HOSE BARB POLY
12	1	520070	HOSE CLAMP NO 8 STAINLESS
13	1	520090	HOSE CLAMP NO 16 STAINLESS
14	1	520067	HOSE CLAMP NO 28 STAINLESS
15	1	520085	HOSE CLAMP NO 24 STAINLESS
16	2	500157	1" FLANGE GASKET EPDM
17	2	500159	1" FLANGE CLAMP, S.S.
18	1	500161	2"FLANGE-1"FLANGE COUPLER,POLY
19	2	500180	2"FLANGE-90-2"FLANGE LBO, LONG
20	1	690660	LINE T-STRAINER,1"FLG,W/O SCRIN
21	1	690661	50 MESH SCREEN FOR 690660
22	1	690695	STRAINER GASKET FOR 690660
23	1	690802	CLEAN-OUT PLUG FOR 690660
24	1	690803	O-RING, VITON FOR 690802 PLUG

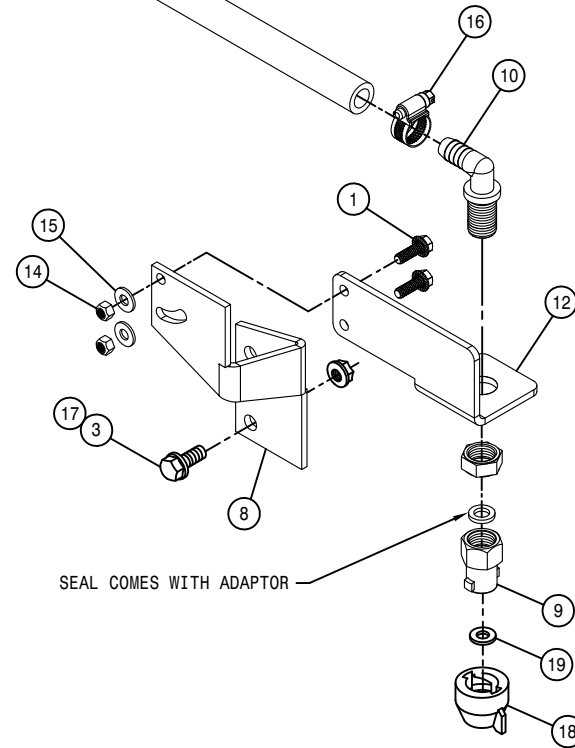


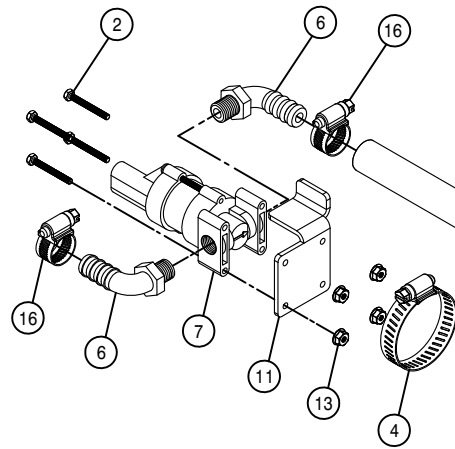


RIGHT FENCE ROW NOZZLE ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
2	4	473993	6-32 X 1 1/4 HH MACH SCR
3	2	900128	3/8UNC X 3/4 HEX BOLT
4	1	520087	HOSE CLAMP NO 20 STAINLESS
5	1	601720	HOSE, 1/2 X 25 1BR BLK EPDM
6	2	618556	1/4NPT-90-1/2 HOSE BARB,POLY
7	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
8	1	737907	RH FENCE ROW TIP BRKT MT
9	1	737931	11/16-16F-QUICK TJET ADAPTER
10	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
11	1	737945	MTG BRKT- SOLENOID, FENCE ROW
12	1	737946	MTG BRKT- RH FENCE ROW NOZZLE
13	4	470509	6-32 SERR. FLANGE NUT
14	2	914000	1/4UNC HEX STOVER NUT
15	2	920000	1/4 SAE FLAT WASHER
16	3	520070	HOSE CLAMP NO 8 STAINLESS
17	2	472029	3/8UNC HEX FLANGE NUT SERR SS
18	1	737822	CAP SET, YELLOW QUICK TEEJET
19	1	737824	QUICK TEEJET SEAT GASKET

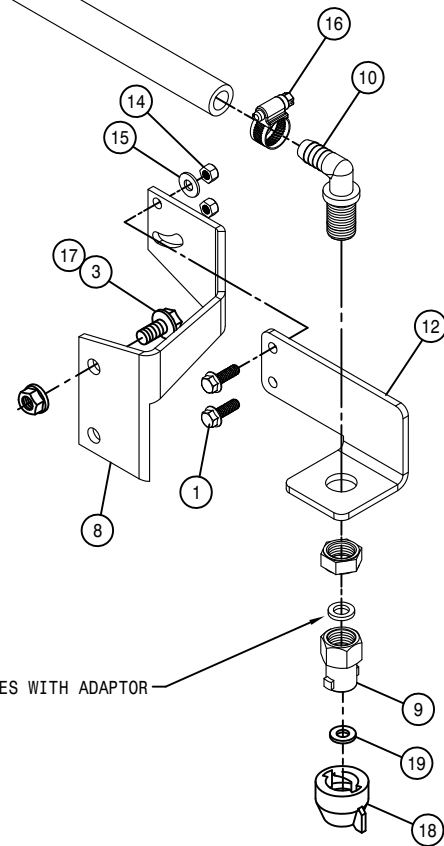




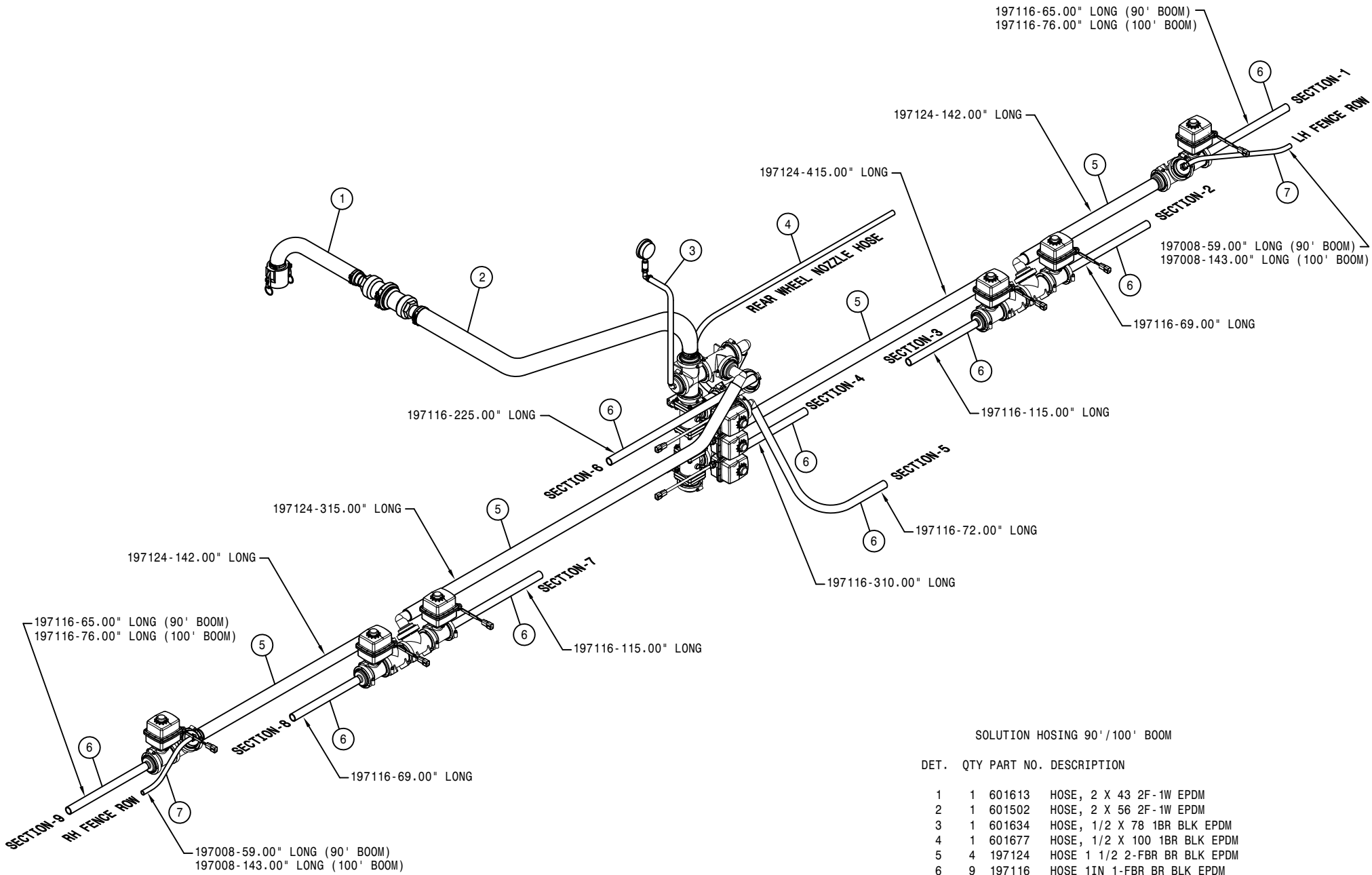
LEFT FENCE ROW NOZZLE ASSEMBLY 90/100

DET. QTY PART NO. DESCRIPTION

1	2	470118	1/4UNC X 3/4 FLANGE HEX BOLT
2	4	473993	6-32 X 1 1/4 HH MACH SCR
3	2	900128	3/8UNC X 3/4 HEX BOLT
4	1	520087	HOSE CLAMP NO 20 STAINLESS
5	1	601720	HOSE, 1/2 X 25 1BR BLK EPDM
6	2	618556	1/4NPT-90-1/2 HOSE BARB,POLY
7	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
8	1	737908	LH FENCE ROW TIP BRKT MT
9	1	737931	11/16-16F-QUICK TJET ADAPTER
10	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
11	1	737945	MTG BRKT- SOLENOID, FENCE ROW
12	1	737947	MTG BRKT- LH FENCE ROW NOZZLE
13	4	470509	6-32 SERR. FLANGE NUT
14	2	914000	1/4UNC HEX STOVER NUT
15	2	920000	1/4 SAE FLAT WASHER
16	3	520070	HOSE CLAMP NO 8 STAINLESS
17	2	472029	3/8UNC HEX FLANGE NUT SERR SS
18	1	737822	CAP SET, YELLOW QUICK TEEJET
19	1	737824	QUICK TEEJET SEAT GASKET



SEAL COMES WITH ADAPTOR

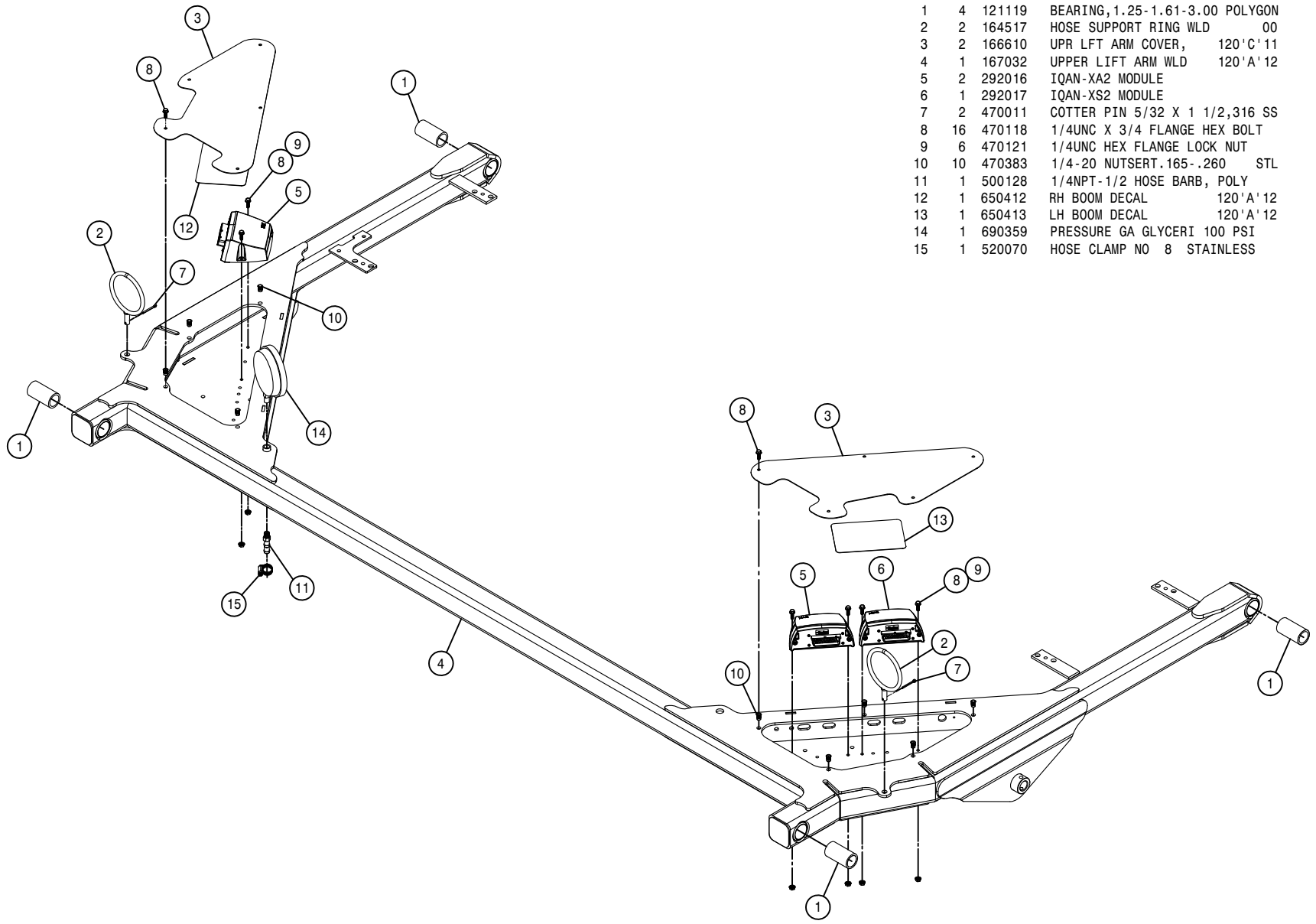


SOLUTION HOISING 90' / 100' BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	601613	HOSE, 2 X 43 2F-1W EPDM
2	1	601502	HOSE, 2 X 56 2F-1W EPDM
3	1	601634	HOSE, 1/2 X 78 1BR BLK EPDM
4	1	601677	HOSE, 1/2 X 100 1BR BLK EPDM
5	4	197124	HOSE 1 1/2 2-FBR BR BLK EPDM
6	9	197116	HOSE 1IN 1-FBR BR BLK EPDM
7	2	197008	HOSE 1/2 1-FBR BR BLK EPDM

LIFTARM ASSEMBLY 120'

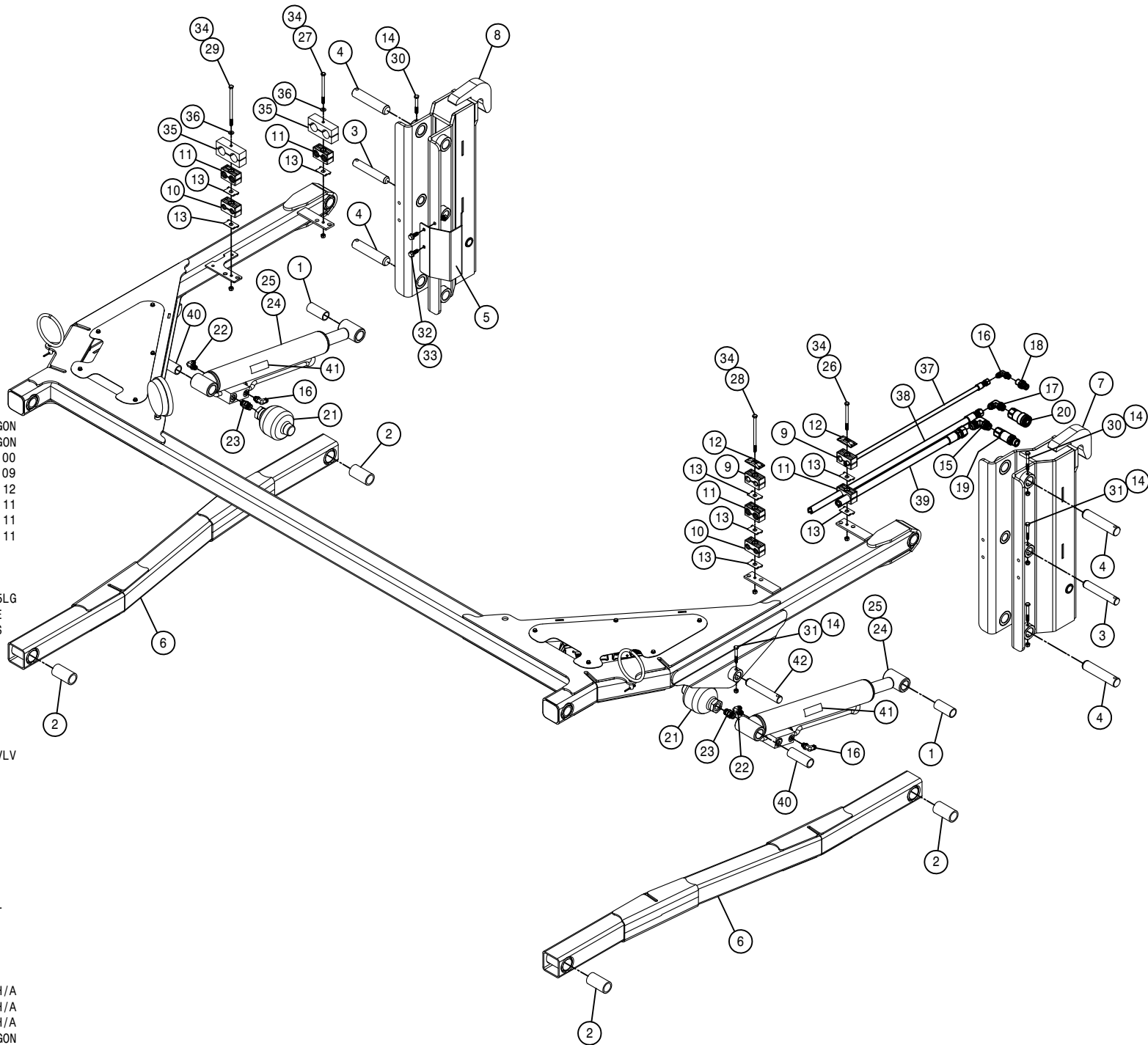
DET.	QTY	PART NO.	DESCRIPTION
	4	121119	BEARING, 1.25-1.61-3.00 POLYGON
	2	164517	HOSE SUPPORT RING WLD 00
	2	166610	UPR LFT ARM COVER, 120'C'11
	1	167032	UPPER LIFT ARM WLD 120'A'12
	2	292016	IQAN-XA2 MODULE
	1	292017	IQAN-XS2 MODULE
	2	470011	COTTER PIN 5/32 X 1 1/2,316 SS
	8	470118	1/4UNC X 3/4 FLANGE HEX BOLT
	6	470121	1/4UNC HEX FLANGE LOCK NUT
	10	470383	1/4-20 NUTSERT .165-.260 STL
	11	500128	1/4NPT-1/2 HOSE BARB, POLY
	1	650412	RH BOOM DECAL 120'A'12
	1	650413	LH BOOM DECAL 120'A'12
	1	690359	PRESSURE GA GLYCERI 100 PSI
	1	520070	HOSE CLAMP NO 8 STAINLESS



LIFTARM ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

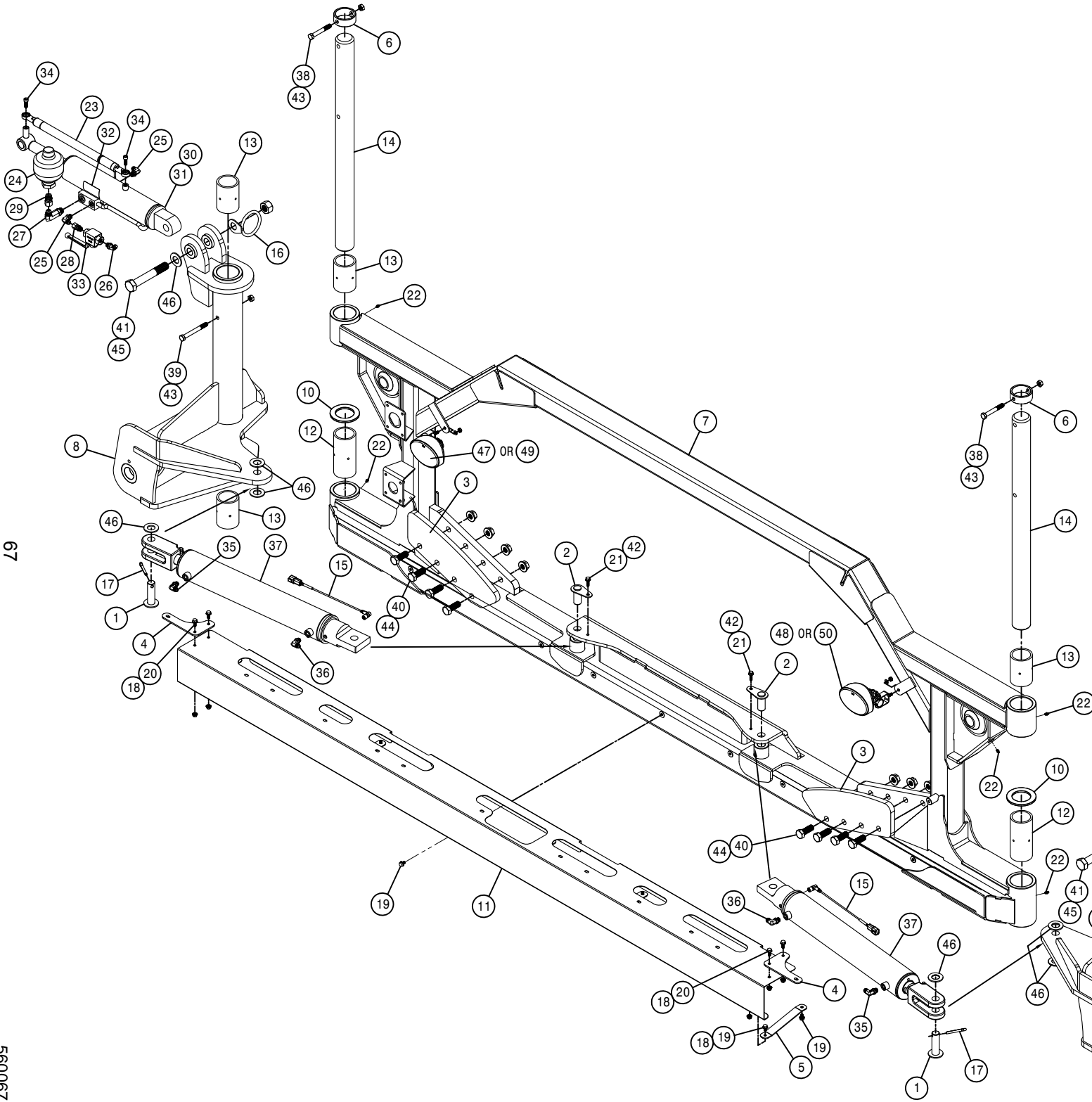
1	2	121109	BEARING,1.00-1.25-3.13 POLYGON
2	4	121119	BEARING,1.25-1.61-3.00 POLYGON
3	2	164452	LIFT ARM MT PIVOT PIN,STS12 00
4	4	165713	LIFT ARM MT PIV PIN,120'BM 09
5	1	165742	RECEPTACLE MT,BOOMS STS'12
6	2	166587	LOWER LIFT ARM WLD, 120'C'11
7	1	166600	LH QUICK ATTACH WLD, 120'C'11
8	1	166601	RH QUICK ATTACH WLD, 120'C'11
9	2	470270	HOSE CLAMP BODY, .530-.680
10	2	470274	TUBE CLAMP BODY, .750-.750
11	4	470275	TUBE CLAMP BODY,1.000-1.000
12	2	470276	CLAMP COVER PLATE,SNGL, 2.55LG
13	8	470281	STACK BOLT SAFETY LOCK PLATE
14	8	473001	5/16UNC HEX NUT,NYLOC 316 SS
15	1	611128	7/8MJIC-90-7/8MOR LBO
16	3	618119	9/16MJIC-90-9/16MOR LBO
17	1	618241	3/4MJIC-90-3/4MOR LBO
18	1	618804	HYD CPLR,MALE #14,9/16FOR
19	1	618806	HYD CPLR,MALE #12,7/8FOR
20	1	618807	HYD CPLR, FEM #12,3/4FOR
21	2	470444	ACCUMULATOR, 30CI 1508 PSI
22	2	618739	9/16MJ-90-9/16MOR .065 CHK VLV
23	2	618820	3/4MOR UNION
24	2	621640	HYD CYL,3.25 X 16.00 X 1.63
25	2	621579	REPAIR KIT, HYD CYL 621578
26	1	900076	5/16UNC X 4" HEX BOLT
27	1	900078	5/16UNC X 4 1/2 HEX BOLT
28	1	900082	5/16UNC X 5 1/2" HEX BOLT
29	1	900084	5/16UNC X 6" HEX BOLT
30	4	900070	5/16UNC X 2 1/2 BOLT
31	4	900086	5/16UNC X 2 1/4 HEX BOLT
32	2	900129	3/8UNC X 1" SERR FLANGE BOLT
33	2	470087	3/8UNC HEX FLANGE LOCK NUT
34	4	914002	5/16UNC HEX STOVER NUT
35	2	A51729	TUBE CLAMP (PAIR)
36	2	920001	5/16 SAE FLAT WASHER
37	1	616991	06-451TC-06FJX-06FJX-175 H/A
38	1	616976	08-451TC-08FJX-08FJX-172 H/A
39	1	617007	08-451TC-08FJX-10FJX-172 H/A
40	2	121115	BEARING,1.00-1.25-4.00 POLYGON
41	2	650390	DECAL,WARN,DO NOT REMOVE/MODIF
42	2	A53739	LIFT CYL PIN,BARREL END, DELTA



TRANSOM PIVOT ASSEMBLY 120'

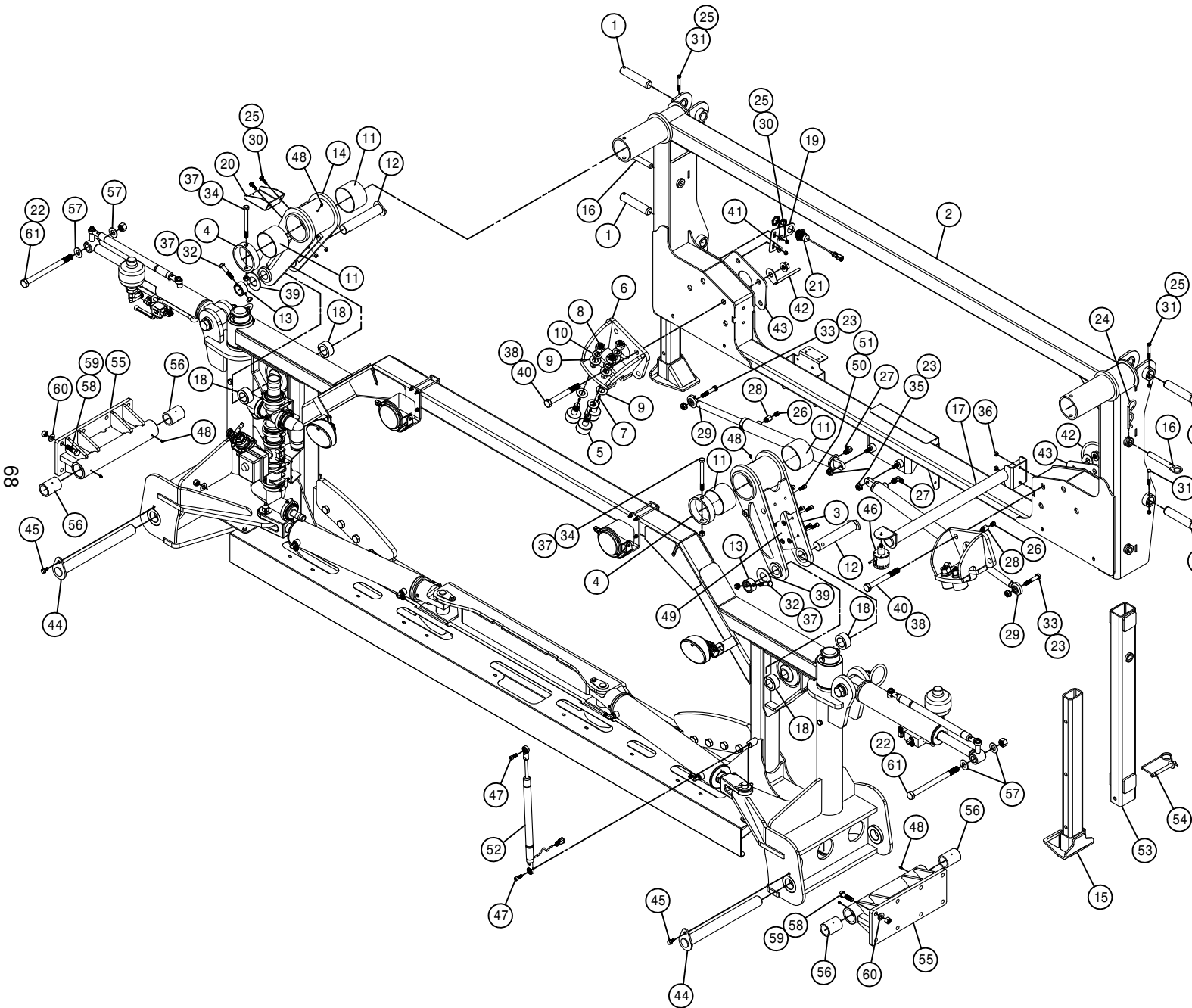
DET. QTY PART NO. DESCRIPTION

1	2	164498	BOOM FOLD CYL PIN WLD	00
2	2	166127	TRANSOM PIN WLD 1", STX10' 11	
3	2	166566	ROLLER GUIDE PLATE 120'C' 11	
4	2	166677	SOLN NOZL MT BRKT END, 120'C' 11	
5	6	166694	CNTR SOLN SUB MT STRP, 120'C' 11	
6	2	166932	PIVOT PIN RET RING 120'C' 11	
7	1	166989	TRANSOM PIVOT WLD 120'A' 12	
8	1	167014	RH TRANSOM PIVOT WLD 120'A' 12	
9	1	167015	LH TRANSOM PIVOT WLD, 120'A' 12	
10	2	167030	THRUST WASH, .25-2.53-4.00 BRNZ	
11	1	167042	SOLU MT CHAN, CNT SECT 120'A' 12	
12	2	167046	BEARING, 2.51-3.00-6.38 POLYGON	
13	6	167047	BEARING, 2.51-3.00-4.25 POLYGON	
14	2	167048	INR TRANS PIVOT SHAFT, 120'A' 12	
15	2	292583	SENSOR HARNESS, MICRO-DEUTSCH	
16	2	438302	HOSE SUPPORT RING WLD	
17	2	470012	COTTER PIN 5/16 X 2' LG, 316 SS	
18	10	470113	5/16UNC HEX FLANGE LOCK NUT	
19	12	470232	5/16UNC X 1/2 FLANGE HEX BOLT	
20	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT	
21	2	470234	5/16UNC X 1" FLANGE HEX BOLT	
22	6	471005	GREASE ZERK, 1/4-28 X 1/2	
23	2	166879	SENSOR ASSY, LEVEL CYL, 120'C' 11	
24	2	470444	ACCUMULATOR, 30CI 1508 PSI	
25	4	618119	9/16MJIC-90-9/16MOR LBO	
26	2	618425	9/16MJIC-45-9/16MOR LBO	
27	2	618443	3/4MJIC-90-3/4MOR EX LG LBO	
28	2	618668	9/16FJIC SWIV-9/16MOR ADPTR	
29	2	618669	3/4FJIC SWIV-3/4MOR ADPTR	
30	2	621559	REPAIR KIT, HYD CYL 621558	
31	2	621642	HYD CYL, 3.00 X 9.00 X 1.38	
32	2	650390	DECAL, WARN, DO NOT REMOVE/MODIF	
33	2	696131	BALL VALVE, 9/16FOR, 7250PSI	
34	4	900172	3/8UNC X 1" SOC HD CAP SCR, ZINC	
35	2	618689	9/16MJ-90-9/16MOR .042 CHK VLV	
36	2	618739	9/16MJ-90-9/16MOR .065 CHK VLV	
37	1	621636	HYD CYL, 3.50X 19.75X1.75-W/SEN	
38	2	900272	1/2UNC X 3 1/2 HEX BOLT	
39	2	900275	1/2UNC X 4 1/2 HEX BOLT	
40	8	900404	3/4UNC X 2 1/2 HEX BOLT	
41	2	900851	1" UNC X 6 1/2 HEX BOLT	GR8
42	2	914002	5/16UNC HEX STOVER NUT	
43	4	914008	1/2UNC HEX STOVER NUT	
44	8	914012	3/4UNC HEX STOVER NUT	
45	2	914016	1-8 HEX STOVER NUT	
46	8	920008	1" SAE FLAT WASHER	
47	1	291902	RH WORKLIGHT, TRAPEZOID GLASS	
48	1	291903	LH WORKLIGHT, TRAPEZOID GLASS	
49	1	292510	RH WORKLIGHT, LED TRAPEZOID	
50	1	292511	LH WORKLIGHT, LED TRAPEZOID	

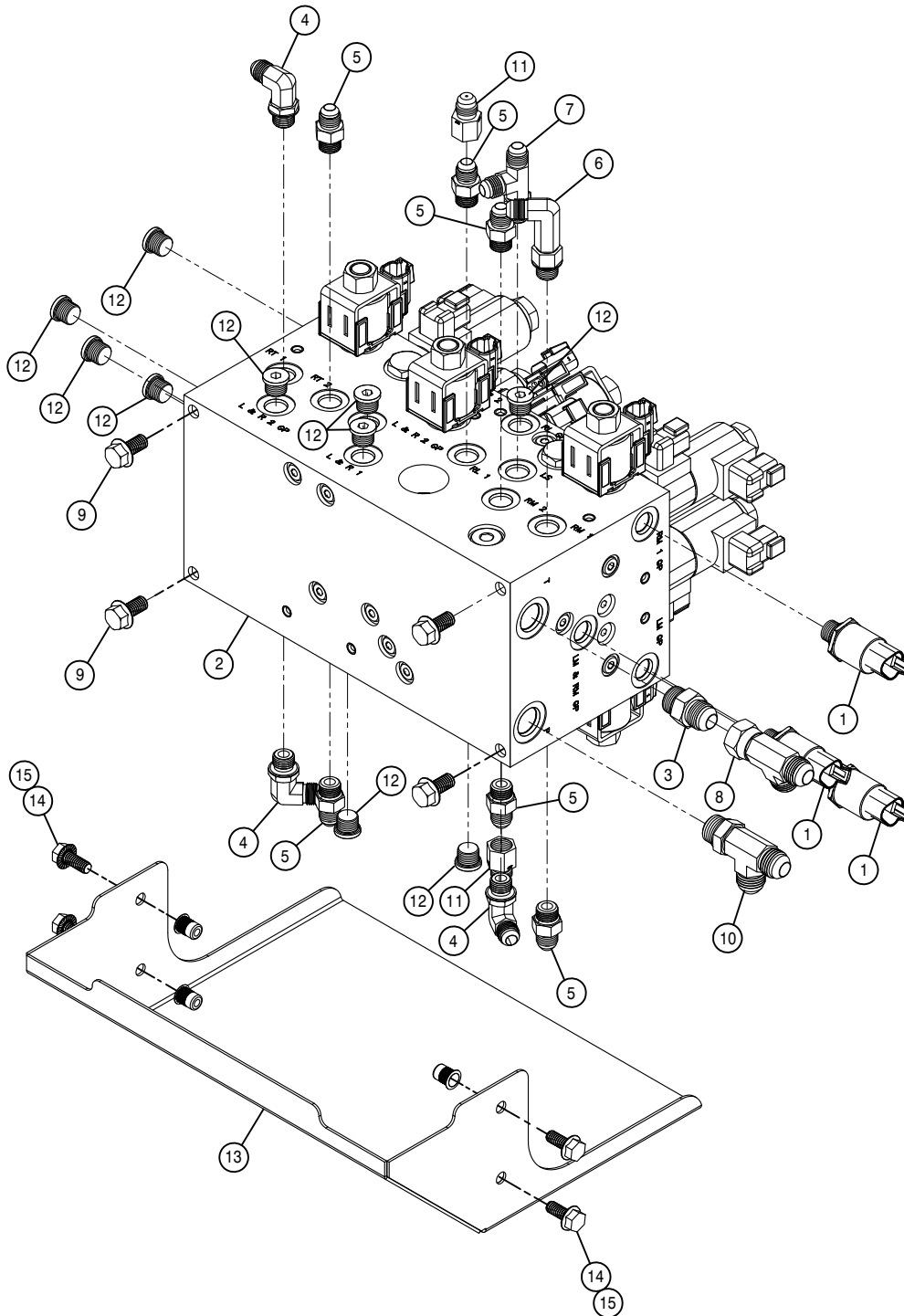


TRANSOM PIVOT ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION



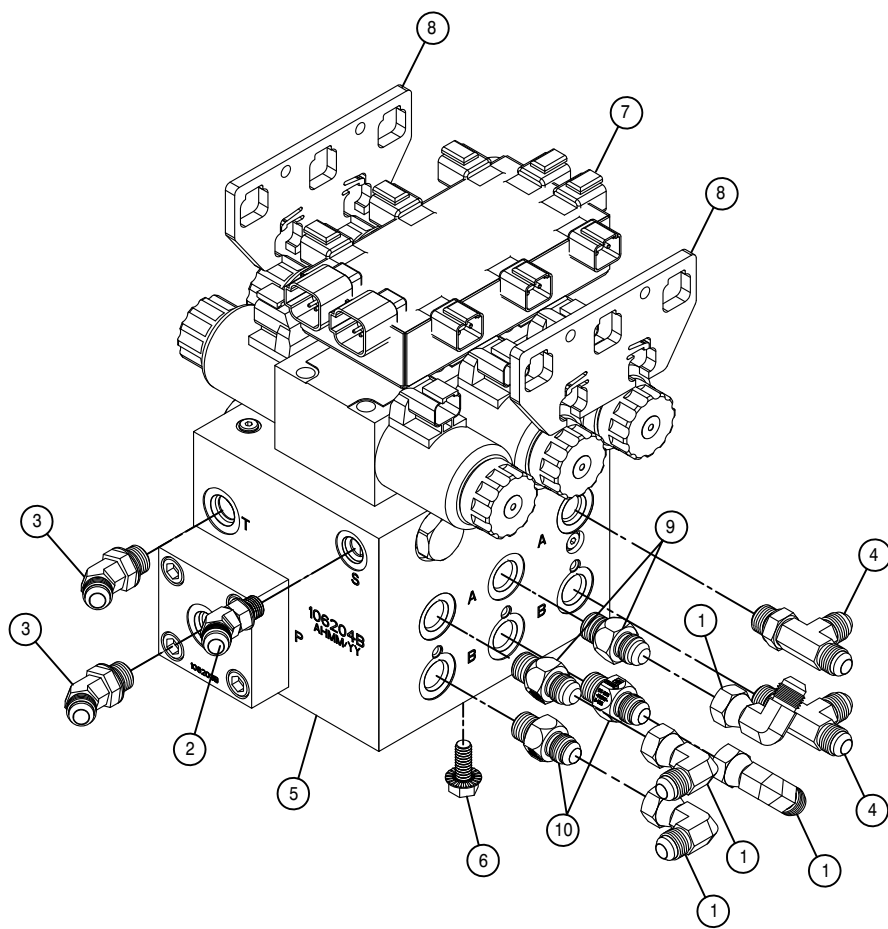
DET.	QTY	PART NO.	DESCRIPTION
1	4	165713	LIFT ARM MT PIV PIN,120'BM 09
2	1	166406	TRANSOM FIXED WLD, 120'C'11
3	1	166544	PENDULUM-WLD,TRANSOM, 120'C'11
4	2	166552	RET RING-PENDULUM, 120'C'11
5	6	125057	TRACK ROLLER,2.250D, .875-14THD
6	2	166570	ROLLER MT WLD, 120'C'11
7	6	471001	GREASE ZERK, 3/16 DRIVE-IN
8	6	910095	7/8UNF HEX NUT
9	12	920007	7/8 SAE FLAT WASHER
10	6	920507	7/8 LOCK WASHER
11	4	166591	BEARING,4.00-4.25-6.94 POLYGON
12	2	166611	LWR PENDULUM PIN, 120'C'11
13	2	166697	PEND RETNR BUSH, 120'C'11
14	1	166698	PENDULUM-WLD, TRNSM, 120'C'11
15	2	167057	INR TUBE BM STAND WLD,120'A'12
16	2	166772	BOOM STAND PIN WLD, 120'C'11
17	1	166793	NORAC MT WLD, 120'C'11
18	4	166861	SPCR BUSH,BALL JOINT, 120'C'11
19	1	166874	PROX BRKT,LIFT 120'C'11
20	1	166915	NORAC ROLL SENSOR WLD,120'C'11
21	1	292927	INDUCTIVE PROX SENSOR, 30MM
22	2	914016	1-8 HEX STOVER NUT
23	4	470345	1/2UNC HEX SMTH FLG LOCK NUT
24	2	470613	HAIRPIN, .243 X 5.00
25	8	473001	5/16UNC HEX NUT,NYLOC
26	2	470114	BREATHER FILTER VENT, 1/4 NPT
27	2	618119	9/16MJIC-90-9/16MOR LBO
28	2	618123	9/16MOR-1/4FNPT ADPTR
29	1	621661	ROLL CYLINDER
30	4	900065	5/16UNC X 1" HEX BOLT
31	4	900070	5/16UNC X 2 1/2 BOLT
32	2	900268	1/2UNC X 2 1/2 HEX BOLT
33	2	900269	1/2UNC X 2 3/4 HEX BOLT
34	2	900277	1/2UNC X 5 1/2 HEX BOLT
35	2	900842	1/2UNC X 2 1/2 HEX BOLT GR8 YZ
36	2	914004	3/8UNC HEX STOVER NUT
37	4	914008	1/2UNC HEX STOVER NUT
38	8	914012	3/4UNC HEX STOVER NUT
39	2	920013	1 1/2 SAE FLAT WASHER
40	8	900416	3/4UNC X 6 1/2 HEX BOLT
41	2	483040	5/16 REGULAR FLAT WASHER
42	2	166903	HOSE RING WLD,4"X 3/4"120'C'11
43	2	166909	STIFF PLT FIXED TRANS,120'C'11
44	2	167043	LEVEL PIN WLD 120'A'12
45	2	470409	3/8UNC X 3/4 SER FLG BOLT
46	1	693113	SENSOR,NORAC UCS ULTRASONIC
47	2	900172	3/8UNC X 1" SOC HD CAP SCREW
48	6	471005	GREASE ZERK, 1/4-28 X 1/2
49	2	166938	PENDULUM WEAR PLT, 120'C'12
50	12	920502	3/8 LOCK WASHER
51	12	900173	3/8UNC X 7/8SOC HD CAP SCR GR8
52	1	166879	SENSOR ASSY,LEVEL CYL,120'C'11
53	2	167055	OTR TUBE BM STAND WLD,120'A'12
54	2	470361	SNAP LOCK PIN, 1/2 X 3 1/2
55	2	167036	SECT 1 ADPTR WLD 120'A'12
56	4	167041	BEARING,1.76-2.25-3.00 POLYGON
57	4	920008	1" SAE FLAT WASHER
58	16	900857	5/8UNC X 2 1/4 HEX BOLT GR8 YZ
59	16	914810	5/8UNC HEX STOVER NUT GR8 YZ
60	16	920005	5/8 SAE FLAT WASHER
61	2	900869	1" UNC X 13 HEX BOLT GR8 YZ



FOLD CONTROL VALVE ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

1	3	606347	PRESSURE TRANSDUCER,7500PSI
2	1	606510	FOLD CTRL VALVE,
3	1	611125	3/4MJIC-3/4MOR ADPTR
4	3	618119	9/16MJIC-90-9/16MOR LBO
5	6	618126	9/16MJIC-9/16MOR ADPTR
6	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
7	1	618444	9/16MOR RUN TEE-9/16MJIC
8	1	618451	3/4FJIC SW RUN TEE-3/4MJIC
9	4	900128	3/8UNC X 3/4 HEX BOLT
10	1	618494	3/4MOR RUN TEE-3/4MJIC
11	2	618735	9/16JIC .062 ORIFICE ADPTR
12	11	618754	9/16MOR PLUG, HEX SOCKET
13	1	166871	MANIFLD GUARD WLD, 120'C'11
14	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
15	4	470381	5/16-18 NUTSERT .027-.150 STL



NORAC HYDRAULIC VALVE ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

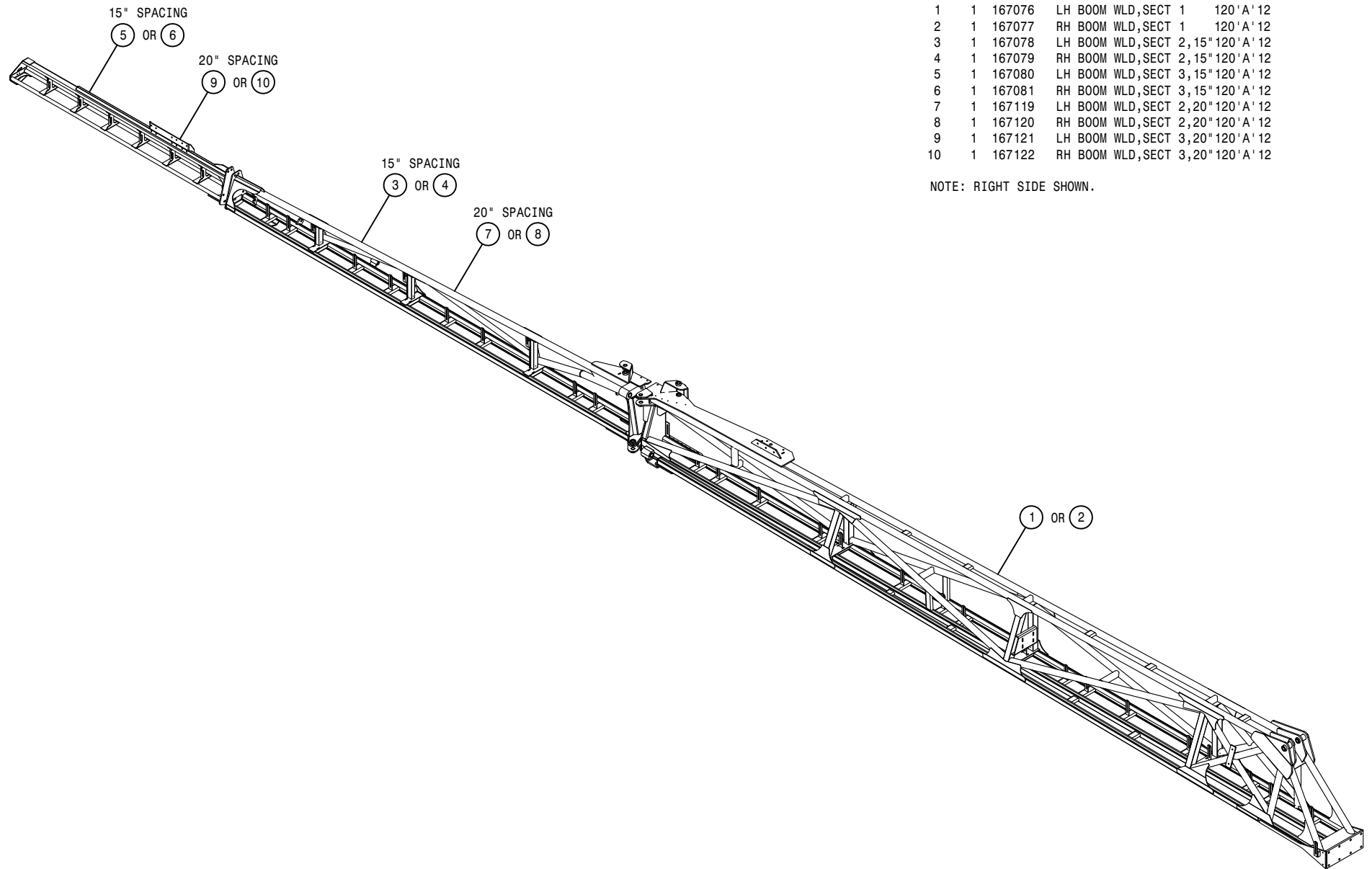
1	4	618618	9/16MJIC-90-9/16FJIC SWIV LBO
2	1	618902	9/16MJIC-45-7/16MOR ADPTR
3	2	618425	9/16MJIC-45-9/16MOR LBO
4	2	618444	9/16MOR RUN TEE-9/16MJIC
5	1	606456	NORAC HYD VALVE (44960D)
6	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
7	1	693133	NORAC MODULE,UC5 VALVE
8	2	693134	NORAC MT BRKT,VLV MODUL,TYPE 2
9	2	618884	9/16MJIC-9/16MOR.042MFMO ADPTR
10	2	618885	9/16MJIC-9/16MOR.055MOMF ADPTR

BOOM ASSEMBLY 120' ALUM

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	1	167076	LH BOOM WLD, SECT 1 120' A' 12
2	1	167077	RH BOOM WLD, SECT 1 120' A' 12
3	1	167078	LH BOOM WLD, SECT 2, 15" 120' A' 12
4	1	167079	RH BOOM WLD, SECT 2, 15" 120' A' 12
5	1	167080	LH BOOM WLD, SECT 3, 15" 120' A' 12
6	1	167081	RH BOOM WLD, SECT 3, 15" 120' A' 12
7	1	167119	LH BOOM WLD, SECT 2, 20" 120' A' 12
8	1	167120	RH BOOM WLD, SECT 2, 20" 120' A' 12
9	1	167121	LH BOOM WLD, SECT 3, 20" 120' A' 12
10	1	167122	RH BOOM WLD, SECT 3, 20" 120' A' 12

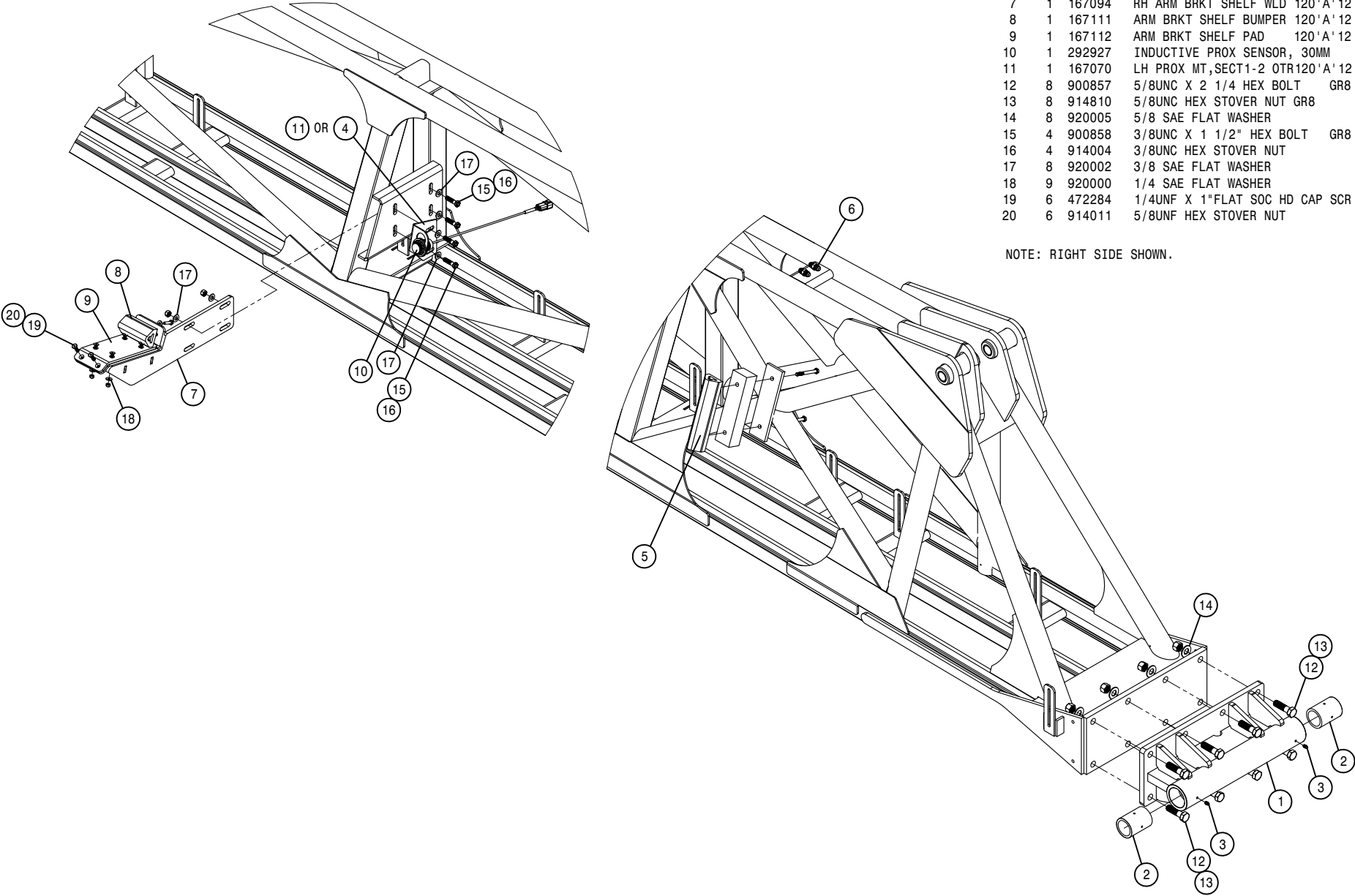
NOTE: RIGHT SIDE SHOWN.



BOOM MOUNT ASSEMBLY 120' ALUM

DET.	QTY	PART NO.	DESCRIPTION
1	1	167036	SECT 1 ADPTR WLD 120'A'12
2	2	167041	BEARING,1.76-2.25-3.00 POLYGON
3	2	471005	GREASE ZERK, 1/4-28 X 1/2
4	1	167071	RH PROX MT,SECT1-2 OTR120'A'12
5	1	167102	BOOM BUMPER ASSY 120'A'12
6	2	619010	9/16MJIC UNION
7	1	167094	RH ARM BRKT SHELF WLD 120'A'12
8	1	167111	ARM BRKT SHELF BUMPER 120'A'12
9	1	167112	ARM BRKT SHELF PAD 120'A'12
10	1	292927	INDUCTIVE PROX SENSOR, 30MM
11	1	167070	LH PROX MT,SECT1-2 OTR120'A'12
12	8	900857	5/8UNC X 2 1/4 HEX BOLT GR8
13	8	914810	5/8UNC HEX STOVER NUT GR8
14	8	920005	5/8 SAE FLAT WASHER
15	4	900858	3/8UNC X 1 1/2" HEX BOLT GR8
16	4	914004	3/8UNC HEX STOVER NUT
17	8	920002	3/8 SAE FLAT WASHER
18	9	920000	1/4 SAE FLAT WASHER
19	6	472284	1/4UNF X 1"FLAT SOC HD CAP SCR
20	6	914011	5/8UNF HEX STOVER NUT

NOTE: RIGHT SIDE SHOWN.

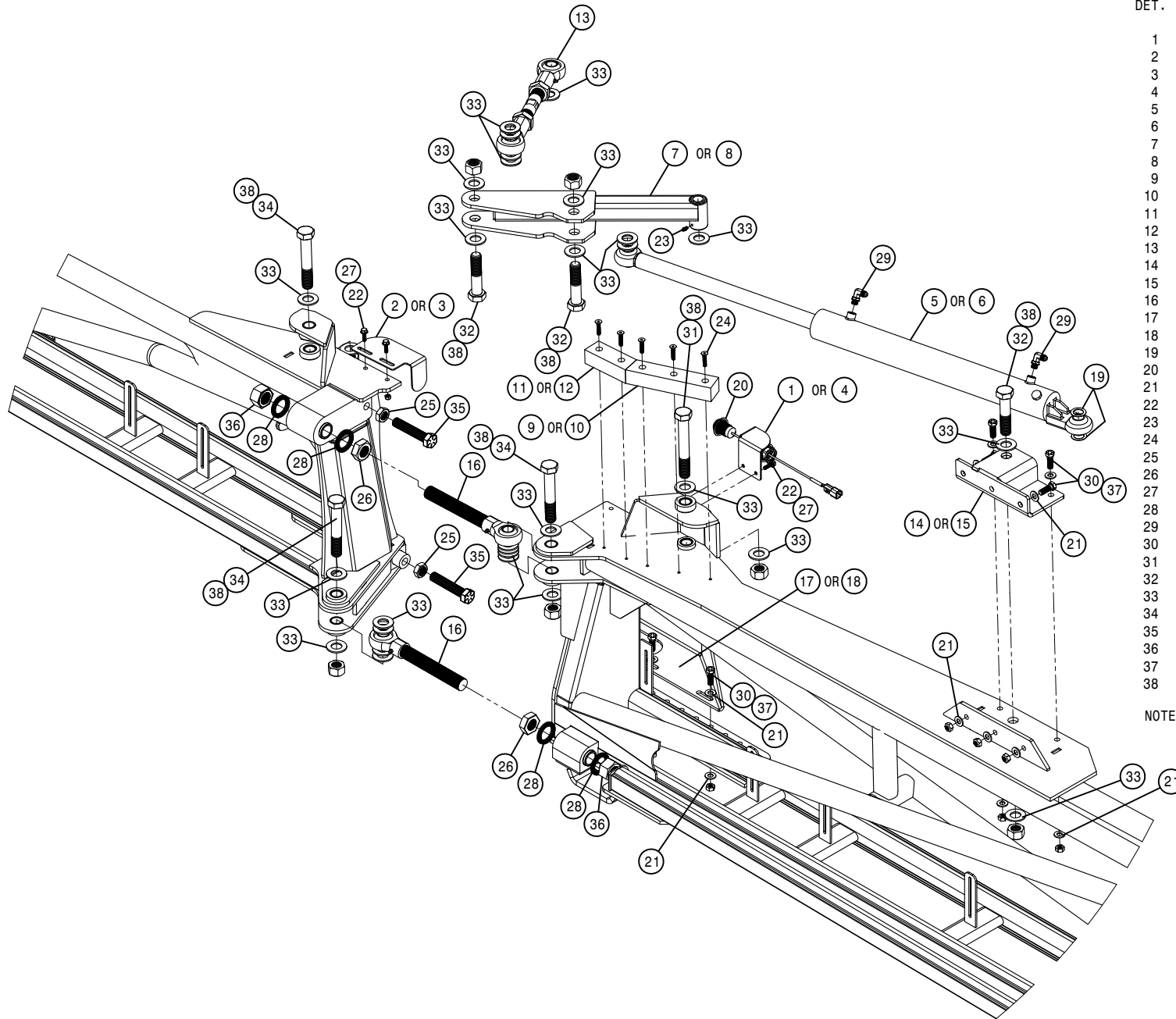


BOOM FOLD ASSEMBLY 120' ALUM

DET. QTY PART NO. DESCRIPTION

1	1	167067	RH PROX MT,SECT 1-2 120'A'12
2	1	167068	RH PROX FLAG,SECT 1-2,120'A'12
3	1	167066	LH PROX FLAG,SECT 1-2,120'A'12
4	1	167065	LH PROX MT,SECT 1-2 120'A'12
5	1	167091	RH HYD CYL,OUTER FOLD 120'A'12
6	1	167090	LH HYD CYL,OUTER FOLD 120'A'12
7	1	167096	RH SCNDRY FOLD ARM WLD120'A'12
8	1	167095	LH SCNDRY FOLD ARM WLD120'A'12
9	1	167099	RH-GUIDE LONG, POLY 120'A'12
10	1	167098	LH-GUIDE LONG, POLY 120'A'12
11	1	167101	RH-GUIDE SHORT, POLY 120'A'12
12	1	167100	LH-GUIDE SHORT, POLY 120'A'12
13	1	167103	S2-FOLD ARM CONN ASSY 120'A'12
14	1	167105	RH SIDE SUPP BRKT WLD 120'A'12
15	1	167104	LH SIDE SUPP BRKT WLD 120'A'12
16	2	167109	ROD END WELD,SECT1-2 120'A'12
17	1	167124	RH SHLD NOZL SCT1 OTR 120'A'12
18	1	167123	LH SHLD NOZL SCT1 OTR 120'A'12
19	2	167132	SHIM,1.50 OD-1.00 ID-.05 THK
20	1	292927	INDUCTIVE PROX SENSOR, 30MM
21	14	920004	1/2 SAE FLAT WASHER
22	4	470234	5/16UNC X 1" FLANGE HEX BOLT
23	1	471006	GREASE ZERK, 1/4-28 TAPER THD
24	5	472285	5/16UNF X 1.5FLT SOCHD CAP SCR
25	2	472372	7/8-9 UNC HEX JAM NUT
26	2	472373	1 1/4UNF HEX JAM NUT
27	4	473001	5/16UNC HEX NUT,NYLOC 316 SS
28	4	483021	1 1/2" NORD LOCK WASHER
29	2	618119	9/16MJIC-90-9/16MOR LBO
30	7	900804	1/2UNC X 1 1/2 HEX BOLT GR8
31	1	900859	1" UNC X 7" HEX BOLT GR8
32	3	900861	1" UNC X 4 1/2" HEX BOLT GR8
33	31	920008	1" SAE FLAT WASHER
34	3	900862	1" UNC X 6" HEX BOLT GR8
35	2	900870	7/8UNCX 4.50 FULL HEX BOLT GR8
36	2	910041	1 1/4UNF HEX NUT
37	7	914008	1/2UNC HEX STOVER NUT
38	7	914016	1-8 HEX STOVER NUT

NOTE: RIGHT SIDE SHOWN.

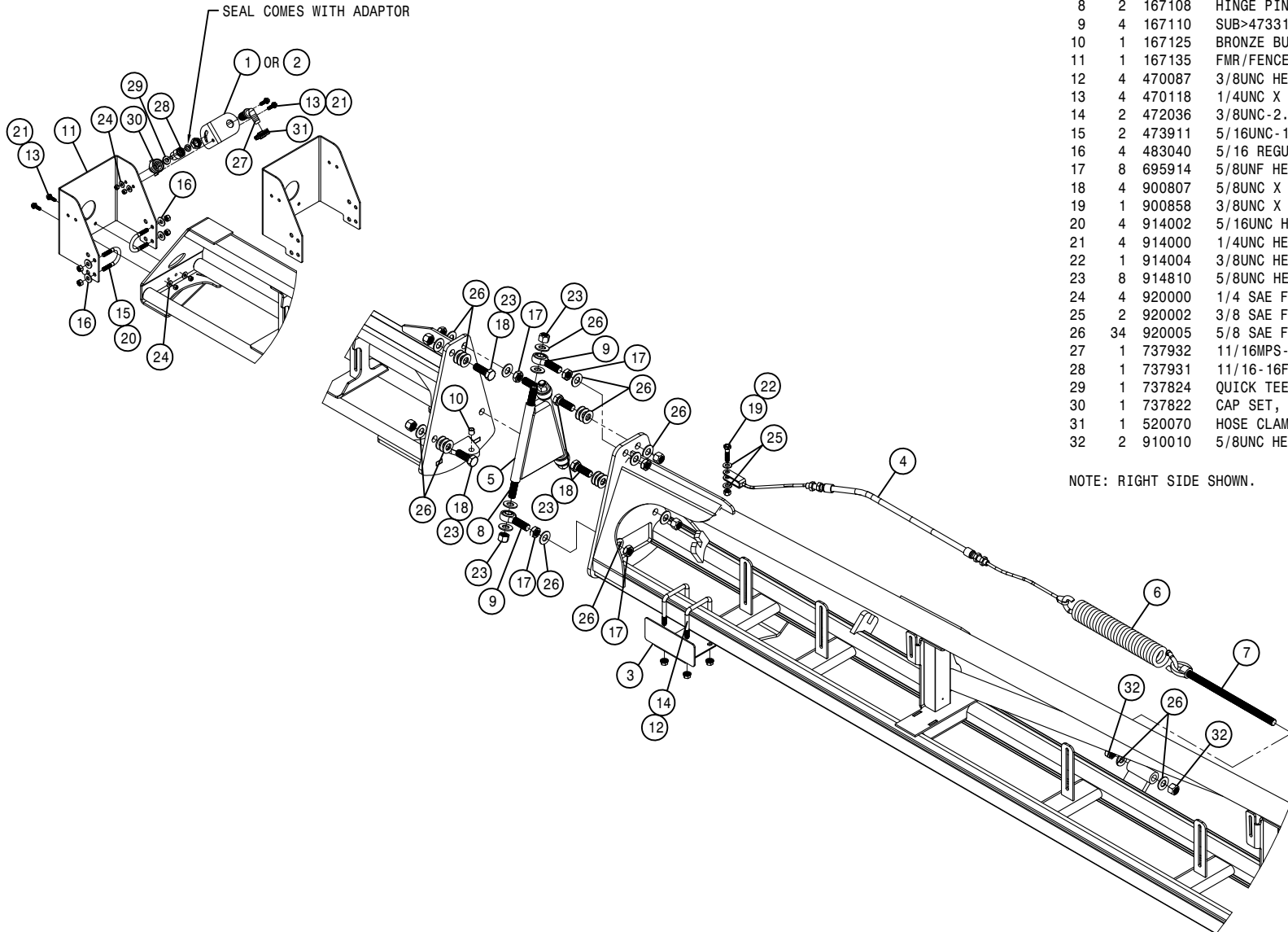


BOOM BREAKAWAY ASSEMBLY 120' ALUM

DET. QTY PART NO. DESCRIPTION

DET.	QTY	PART NO.	DESCRIPTION
1	1	166862	RH FENCE ROW NOZ BRKT, 120'C' 11
2	1	166863	LH FENCE ROW NOZ BRKT, 120'C' 11
3	1	167069	PROX FLAG, SECT1-2 OTR, 120'A' 12
4	1	167092	CABLE, BREAK AWAY 120'A' 12
5	1	167097	A-FRAME WLD 120'A' 12
6	1	167106	SPRING, BREAK AWAY 120'A' 12
7	1	167107	BOOM SPRING ROD ASSY 120'A' 12
8	2	167108	HINGE PIN BREAK AWAY 120'A' 12
9	4	167110	SUB>473318: ROD END, 120'A' 12
10	1	167125	BRONZE BUSH, .500D-.38ID-.50LG
11	1	167135	FMR/FENCE NOZL MT 7.5" 120'A' 12
12	4	470087	3/8UNC HEX SER FLG NUT
13	4	470118	1/4UNC X 3/4 SER FLG BOLT
14	2	472036	3/8UNC-2.63ID-2.88 U-BOLT SQ
15	2	473911	5/16UNC-1.31ID-2.00 U-BOLT
16	4	483040	5/16 REGULAR FLAT WASHER
17	8	695914	5/8UNF HEX JAM NUT SS
18	4	900807	5/8UNC X 1 3/4 HEX BOLT GR8 YZ
19	1	900858	3/8UNC X 1 1/2" HEX BOLT GR8YZ
20	4	914002	5/16UNC HEX STOVER NUT
21	4	914000	1/4UNC HEX STOVER NUT
22	1	914004	3/8UNC HEX STOVER NUT
23	8	914810	5/8UNC HEX STOVER NUT GR8 YZ
24	4	920000	1/4 SAE FLAT WASHER
25	2	920002	3/8 SAE FLAT WASHER
26	34	920005	5/8 SAE FLAT WASHER
27	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
28	1	737931	11/16-16F-QUICK TJET ADAPTER
29	1	737824	QUICK TEEJET SEAT GASKET
30	1	737822	CAP SET, YELLOW QUICK TEEJET
31	1	520070	HOSE CLAMP NO 8 STAINLESS
32	2	910010	5/8UNC HEX NUT

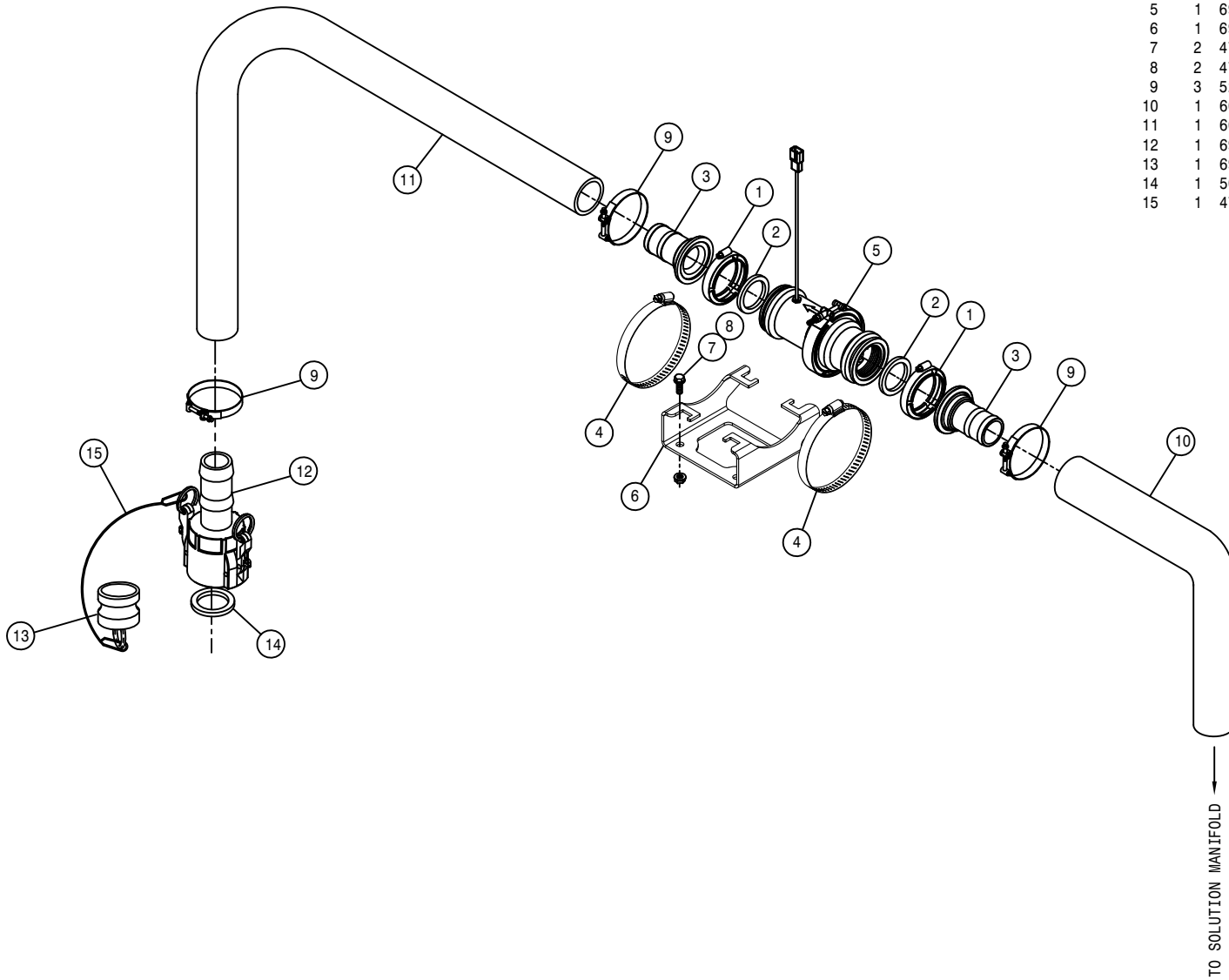
NOTE: RIGHT SIDE SHOWN.



FLOW METER ASSEMBLY 120 (STD-VOLUME)

DET. QTY PART NO. DESCRIPTION

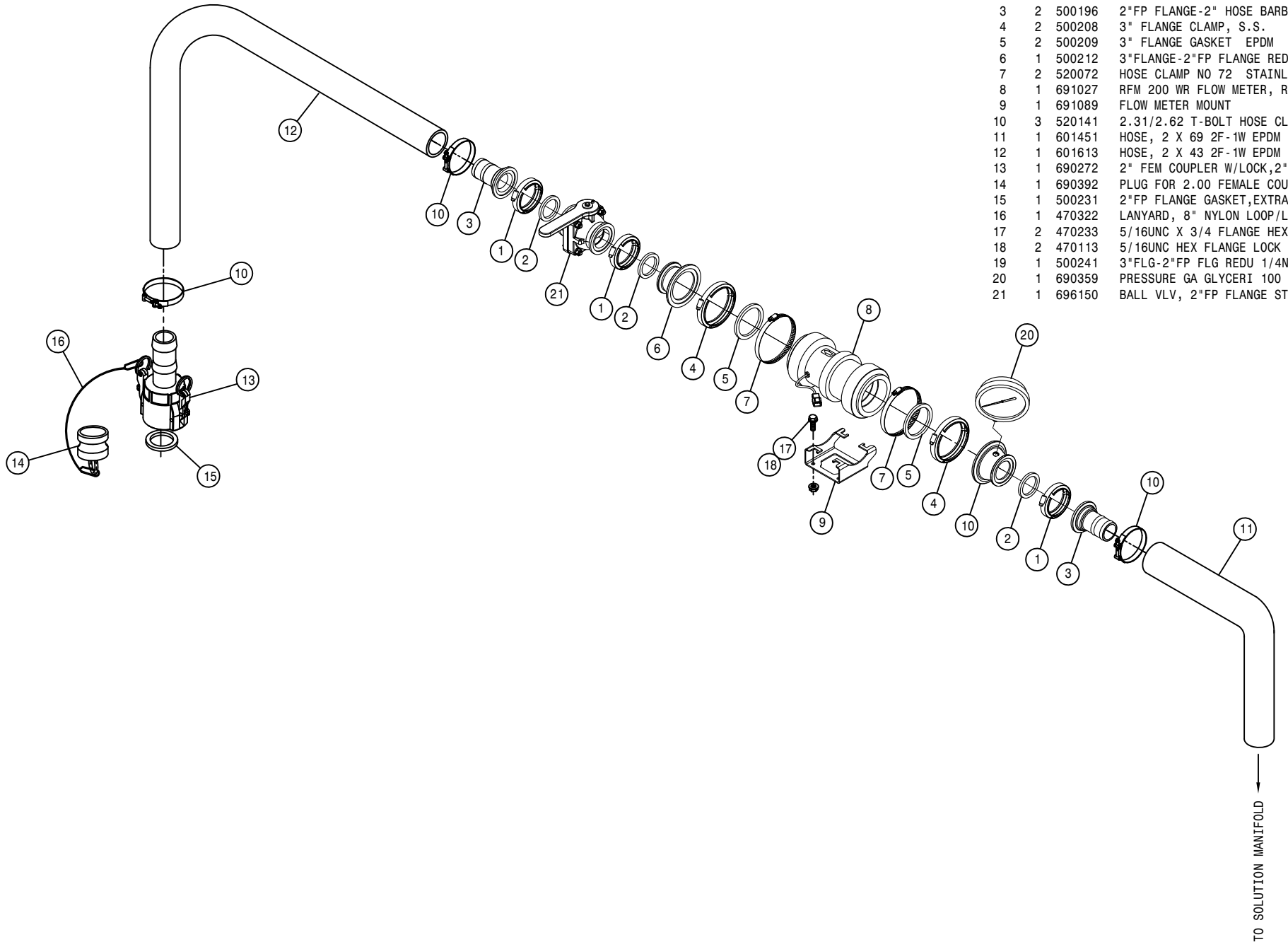
DET.	QTY	PART NO.	DESCRIPTION
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	2	500196	2"FP FLANGE-2" HOSE BARB POLY
4	2	520056	HOSE CLAMP NO 56 STAINLESS
5	1	690961	RFM 100 FLOW METER, RAVEN 05
6	1	691089	FLOW METER MOUNT
7	2	470233	5/16UNC X 3/4 FLANGE HEX BOLT
8	2	470113	5/16UNC HEX FLANGE LOCK NUT
9	3	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
10	1	601451	HOSE, 2 X 69 2F-1W EPDM
11	1	601613	HOSE, 2 X 43 2F-1W EPDM
12	1	690272	2" FEM COUPLER W/LOCK,2" BARB
13	1	690392	PLUG FOR 2.00 FEMALE COUPLER
14	1	500231	2"FP FLANGE GASKET,EXTRA THICK
15	1	470322	LANYARD, 8" NYLON LOOP/LOOP

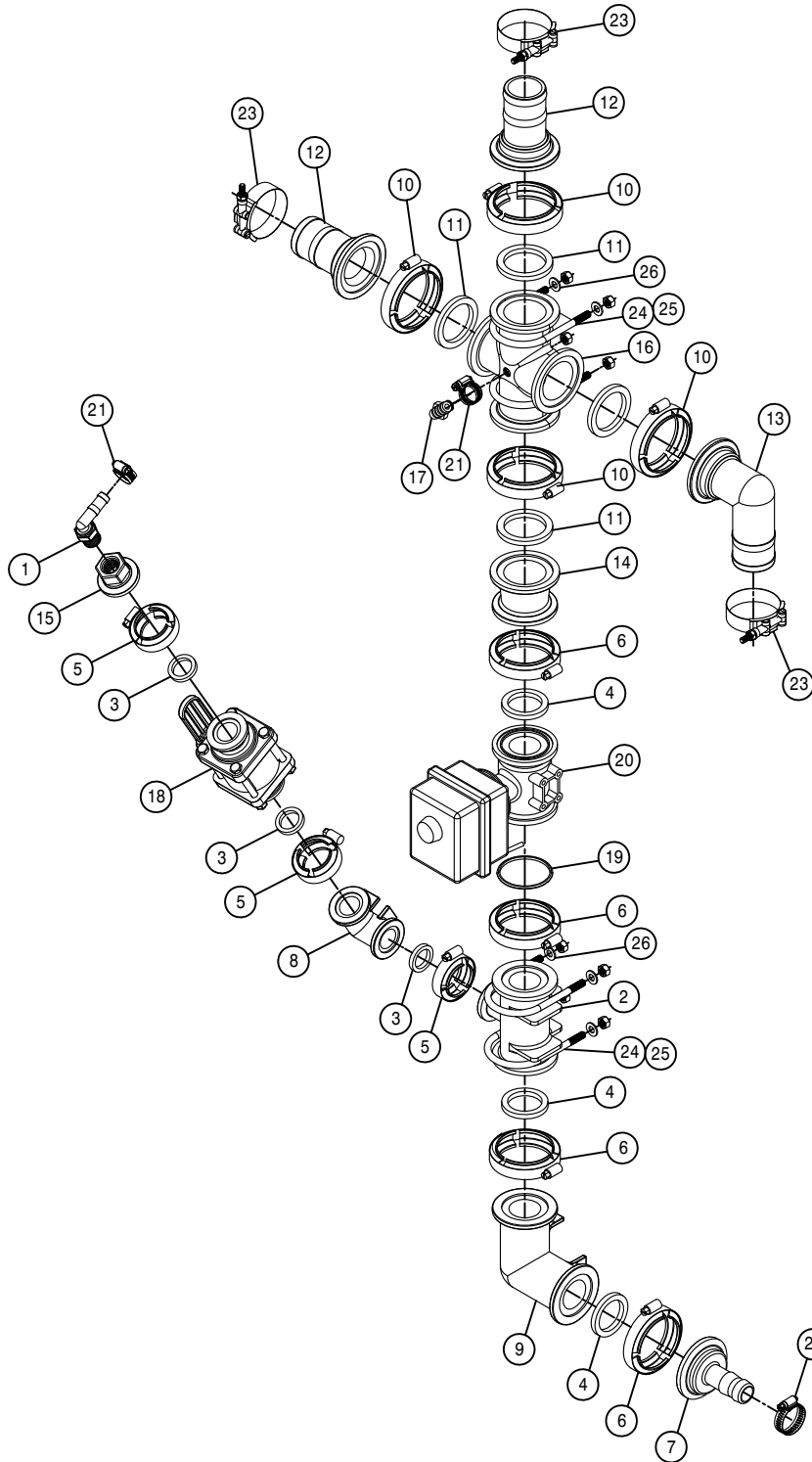


FLOW METER ASSEMBLY 120 (HI-VOLUME)

DET. QTY PART NO. DESCRIPTION

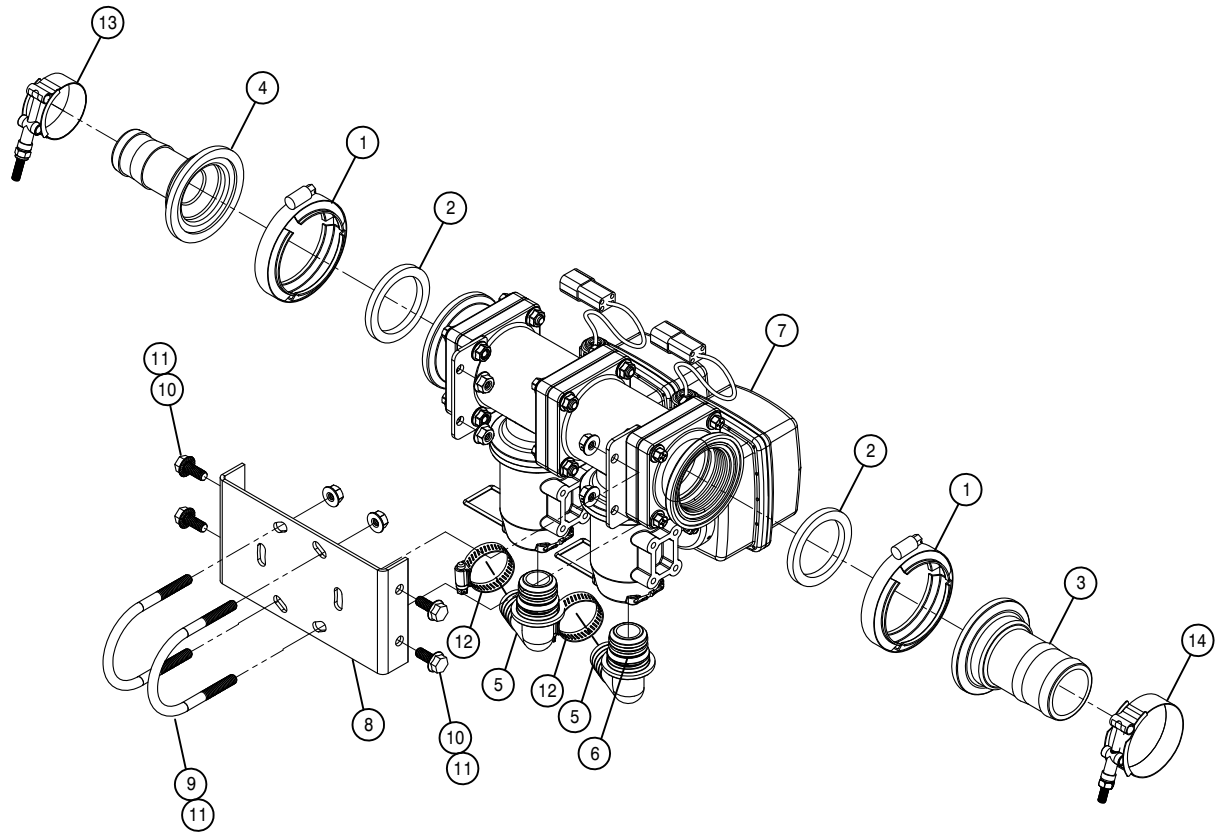
DET.	QTY	PART NO.	DESCRIPTION
1	3	500194	2"FP FLANGE CLAMP, S.S.
2	3	500195	2"FP FLANGE GASKET EPDM
3	2	500196	2"FP FLANGE-2" HOSE BARB POLY
4	2	500208	3" FLANGE CLAMP, S.S.
5	2	500209	3" FLANGE GASKET EPDM
6	1	500212	3"FLANGE-2"FP FLANGE REDU POLY
7	2	520072	HOSE CLAMP NO 72 STAINLESS
8	1	691027	RFM 200 WR FLOW METER, RAVEN
9	1	691089	FLOW METER MOUNT
10	3	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
11	1	601451	HOSE, 2 X 69 2F-1W EPDM
12	1	601613	HOSE, 2 X 43 2F-1W EPDM
13	1	690272	2" FEM COUPLER W/LOCK,2" BARB
14	1	690392	PLUG FOR 2.00 FEMALE COUPLER
15	1	500231	2"FP FLANGE GASKET,EXTRA THICK
16	1	470322	LANYARD, 8" NYLON LOOP/LOOP
17	2	470233	5/16UNC X 3/4 FLANGE HEX BOLT
18	2	470113	5/16UNC HEX FLANGE LOCK NUT
19	1	500241	3"FLG-2"FP FLG REDU 1/4NPTPOLY
20	1	690359	PRESSURE GA GLYCERI 100 PSI
21	1	696150	BALL VLV, 2"FP FLANGE STUBBY





CENTER SOLUTION VALVE ASSEMBLY 120'

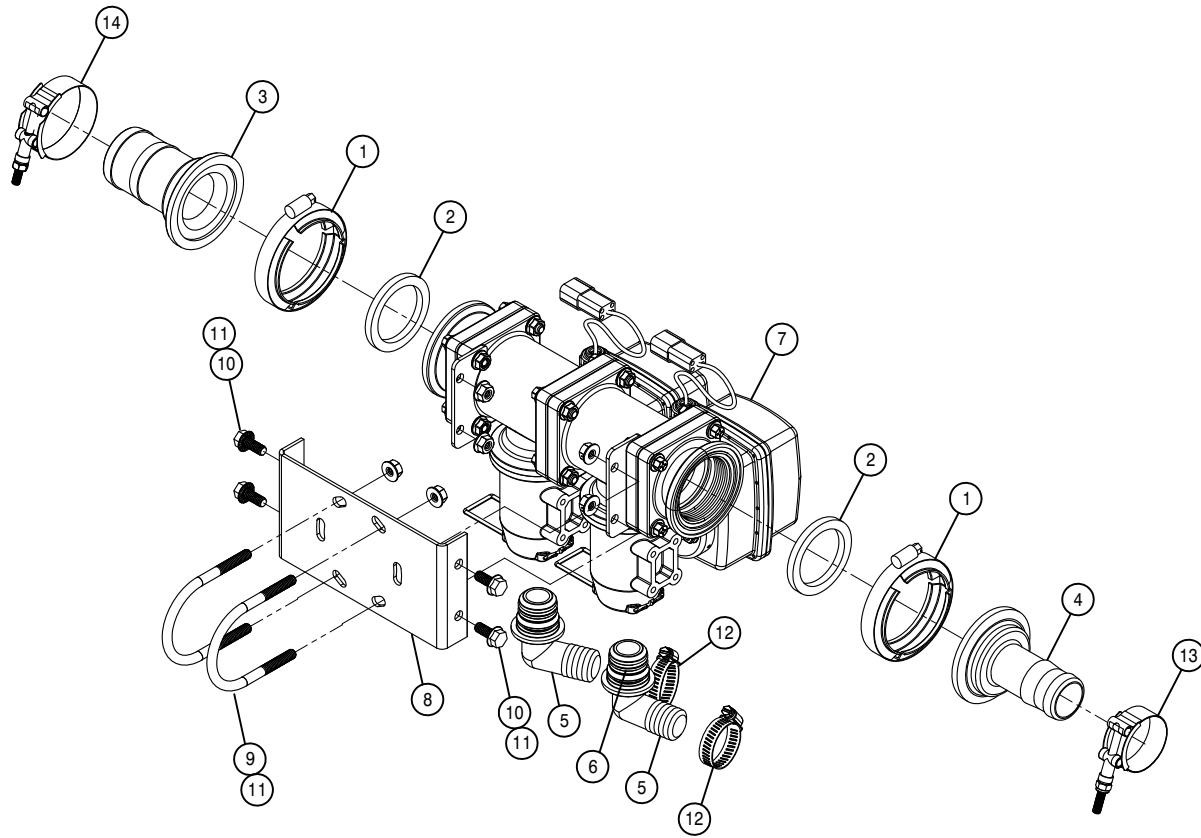
DET.	QTY	PART NO.	DESCRIPTION
	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
	1	500150	2" FLANGE-1" BRANCH TEE POLY
	3	500157	1" FLANGE GASKET EPDM
	4	500158	1 1/2" GASKET FOR 2" FLANGE
	3	500159	1" FLANGE CLAMP, S.S.
	4	500160	2" FLANGE CLAMP, S.S.
	7	500172	2" FLANGE-1" HOSE BARB POLY
	8	500174	1" FLANGE-90-1" FLANGE LBO POLY
	9	500180	2" FLANGE-90-2" FLANGE LBO, LONG
	10	500194	2" FP FLANGE CLAMP, S.S.
	11	500195	2" FP FLANGE GASKET EPDM
	2	500196	2" FP FLANGE-2" HOSE BARB POLY
	13	500198	2" FP FLANGE-90-2" HOSE BARB POLY
	14	500199	2" FP FLANGE-2" FLANGE REDU POLY
	15	500238	1" FLANGE PLUG W/1/2" FNPT POLY
	16	500243	2" FP FLG CROSS W/1/4 NPT, POLY
	17	618556	1/4NPT-90-1/2 HOSE BARB, POLY
	18	696147	BALL VLV, 1" FLANGE
	19	696254	O-RING, KZCO FLANGED VALVES
	20	696256	VALVE, KZCO C2F-60B-M-S9
	21	520070	HOSE CLAMP NO 8 STAINLESS
	22	520090	HOSE CLAMP NO 16 STAINLESS
	23	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
	24	472034	.312UNC-2.50ID-4.250 U-BOLT SS
	25	914002	5/16UNC HEX STOVER NUT
	26	920001	5/16 SAE FLAT WASHER



RH INNER SOLUTION VALVE ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

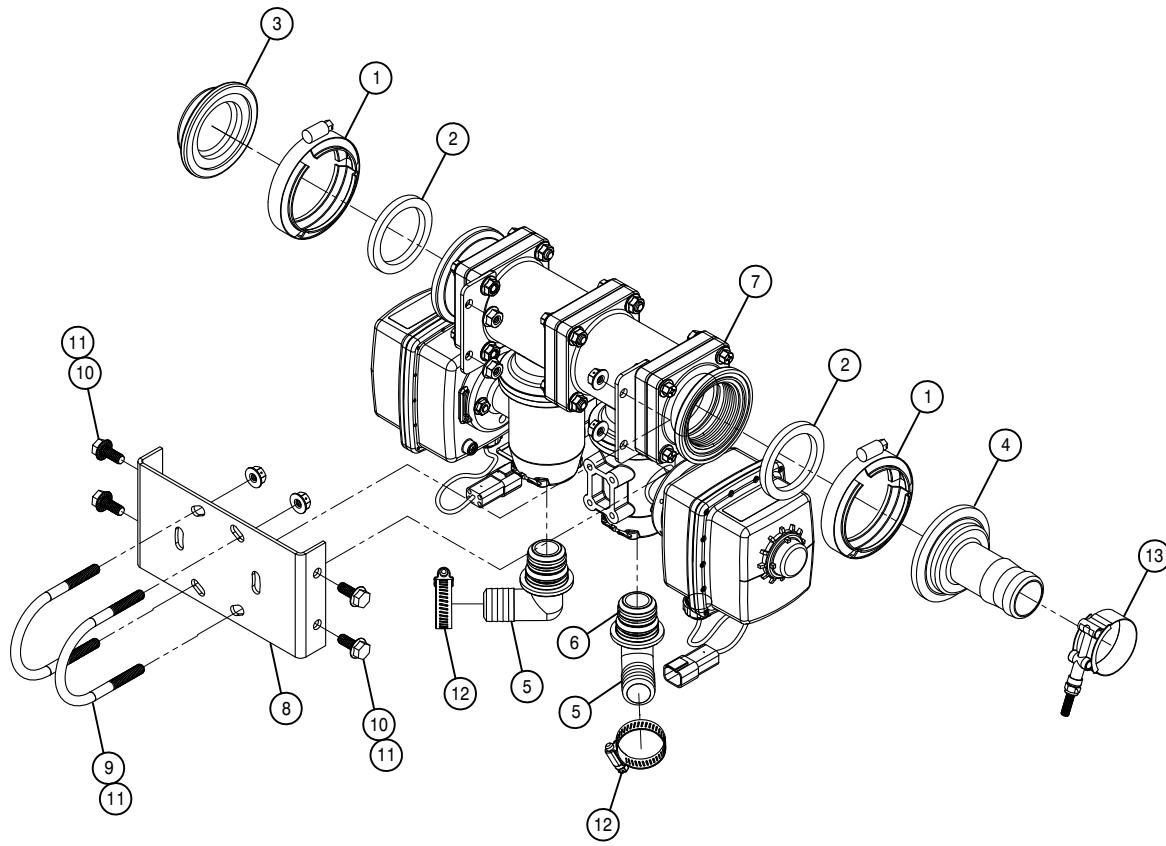
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	1	500196	2"FP FLANGE-2" HOSE BARB POLY
4	1	500230	2" FP FLANGE-1 1/2" HOSE BARB
5	2	696272	1"90 HOSE BARB FOR 696270,KZCO
6	4	696276	O-RING FOR 696271 & 696272
7	1	696270	2-VALVE STACK,90 DEG,QX4 KZCO
8	1	A56370	MTG BRKT SLTN VALVE 120' - 1
9	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
10	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
11	8	470570	5/16UNC SMTH FLANGE LOCK NUT
12	2	520090	HOSE CLAMP NO 16 STAINLESS
13	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
14	1	520141	2.31/2.62 T-BOLT HOSE CLAMP SS



LH INNER SOLUTION VALVE ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

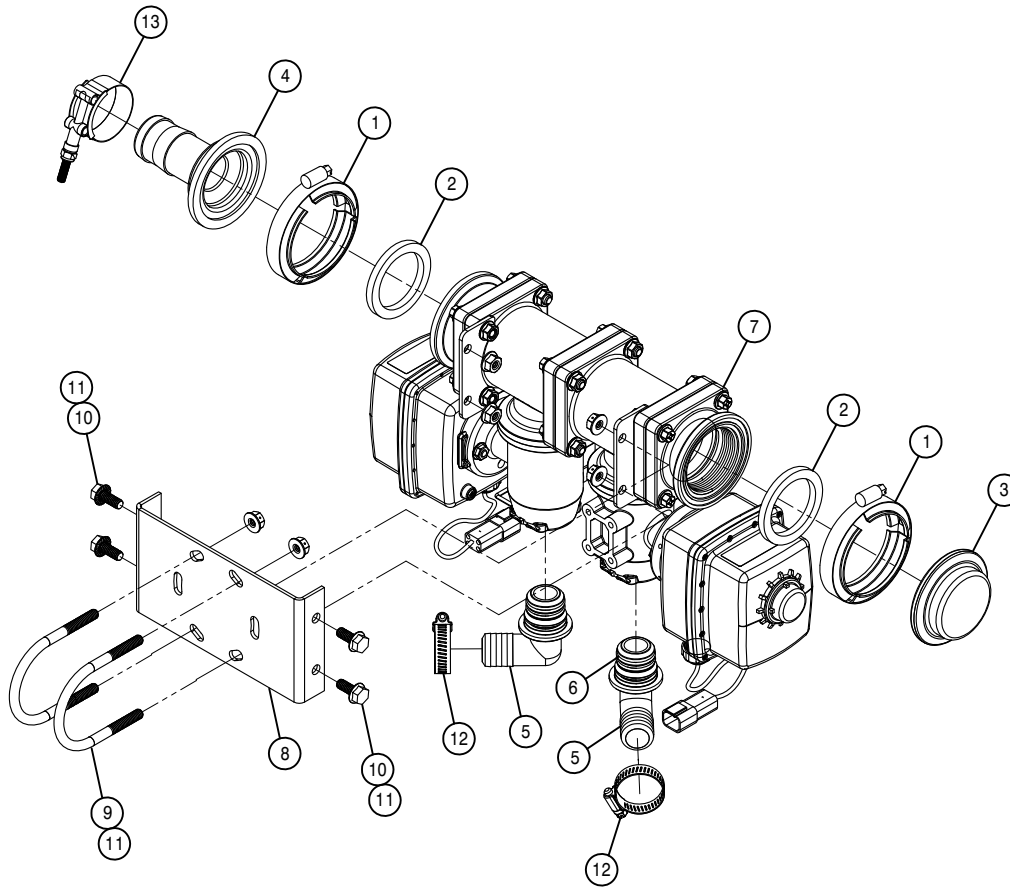
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	1	500196	2"FP FLANGE-2" HOSE BARB POLY
4	1	500230	2" FP FLANGE-1 1/2" HOSE BARB
5	2	696272	1"90 HOSE BARB FOR 696270,KZCO
6	4	696276	O-RING FOR 696271 & 696272
7	1	696270	2-VALVE STACK,90 DEG,QX4 KZCO
8	1	A56370	MTG BRKT SLTN VALVE 120' - 1
9	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
10	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
11	8	470570	5/16UNC SMTH FLANGE LOCK NUT
12	2	520090	HOSE CLAMP NO 16 STAINLESS
13	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
14	1	520141	2.31/2.62 T-BOLT HOSE CLAMP SS



RH OUTER SOLUTION VALVE ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

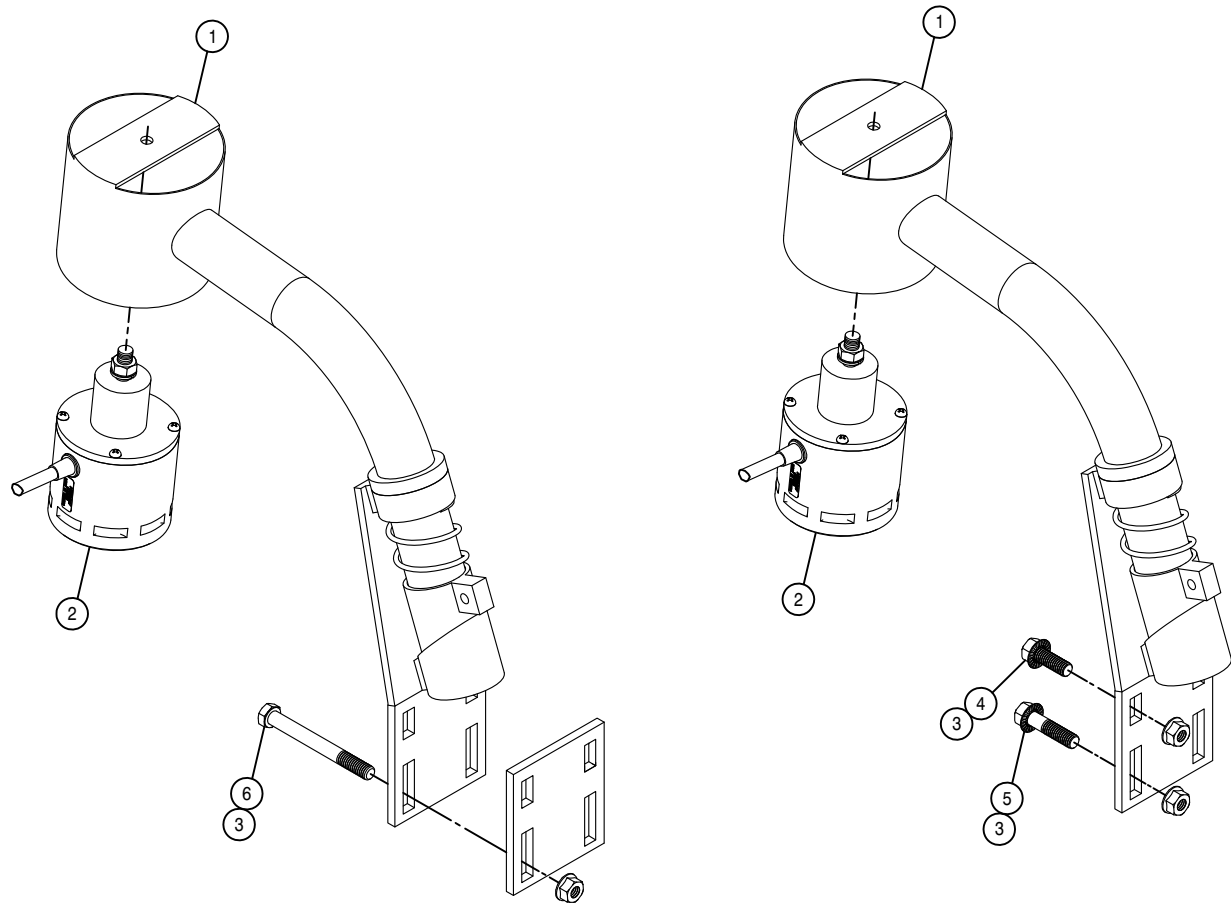
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	1	500206	2"FP FLANGE PLUG
4	1	500230	2" FP FLANGE-1 1/2" HOSE BARB
5	2	696272	1"90 HOSE BARB FOR 696270,KZCO
6	4	696276	O-RING FOR 696271 & 696272
7	1	696295	2-VALVE STACK,180 DEG,QX4 KZCO
8	1	A56370	MTG BRKT SLTN VALVE 120' - 1
9	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
10	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
11	8	470570	5/16UNC SMTH FLANGE LOCK NUT
12	2	520090	HOSE CLAMP NO 16 STAINLESS
13	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS



LH OUTER SOLUTION VALVE ASSEMBLY 120'

DET. QTY PART NO. DESCRIPTION

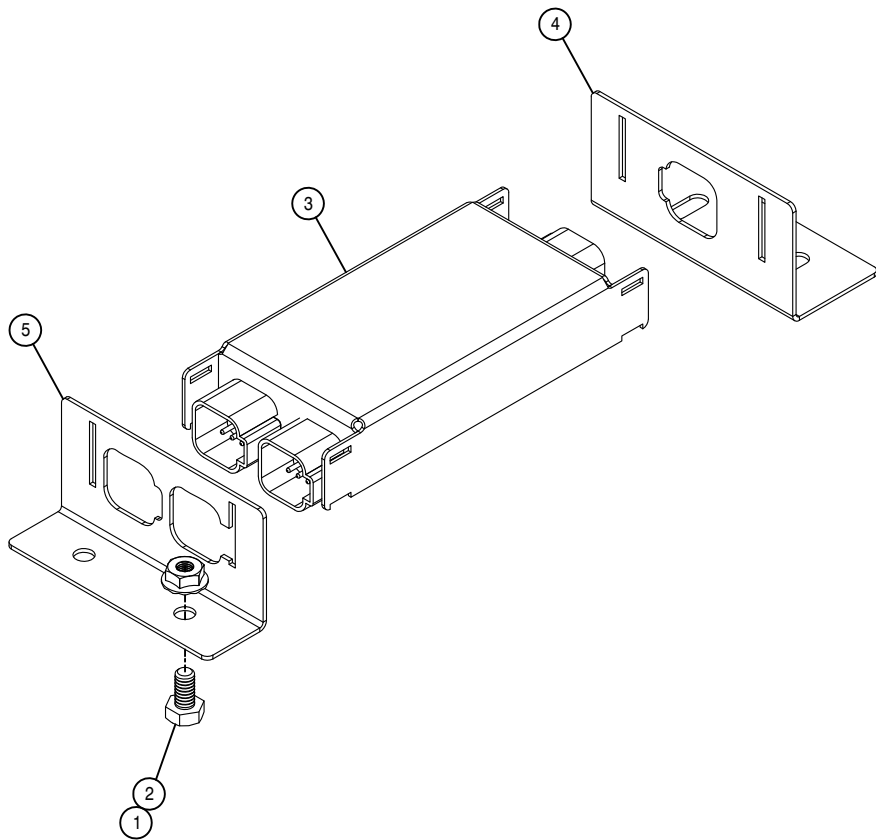
1	2	500194	2"FP FLANGE CLAMP, S.S.
2	2	500195	2"FP FLANGE GASKET EPDM
3	1	500206	2"FP FLANGE PLUG
4	1	500230	2" FP FLANGE-1 1/2" HOSE BARB
5	2	696272	1"90 HOSE BARB FOR 696270,KZCO
6	4	696276	O-RING FOR 696271 & 696272
7	1	696295	2-VALVE STACK,180 DEG,QX4 KZCO
8	1	A56370	MTG BRKT SLTN VALVE 120' - 1
9	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
10	4	470233	5/16UNC X 3/4 FLANGE HEX BOLT
11	8	470570	5/16UNC SMTH FLANGE LOCK NUT
12	2	520090	HOSE CLAMP NO 16 STAINLESS
13	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS



NORAC SENSOR ASSEMBLY

DET. QTY PART NO. DESCRIPTION

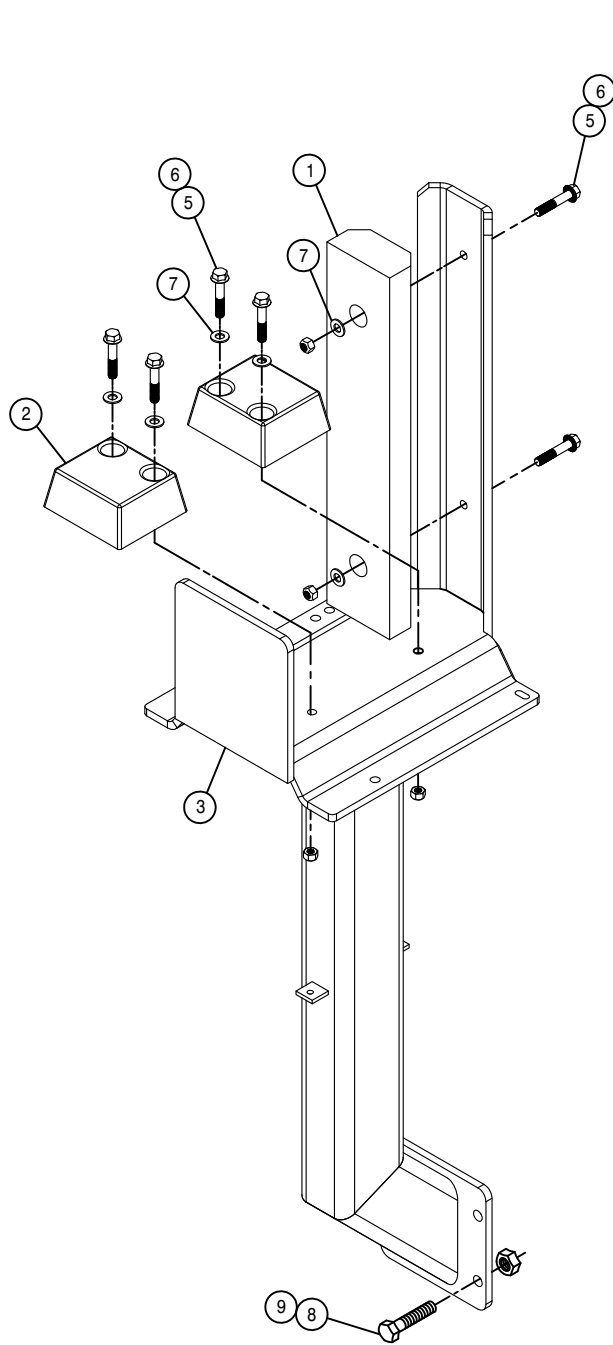
1	2	693068	SENSOR MTG BRKT, NORAC
2	2	693113	SENSOR, NORAC UC5 ULTRASONIC
3	8	470087	3/8UNC HEX FLANGE LOCK NUT
4	2	900129	3/8UNC X 1" SERR FLANGE BOLT
5	2	900131	3/8UNC X 1 1/2 HEX BOLT
6	4	900138	3/8UNC X 3 1/2 HEX BOLT



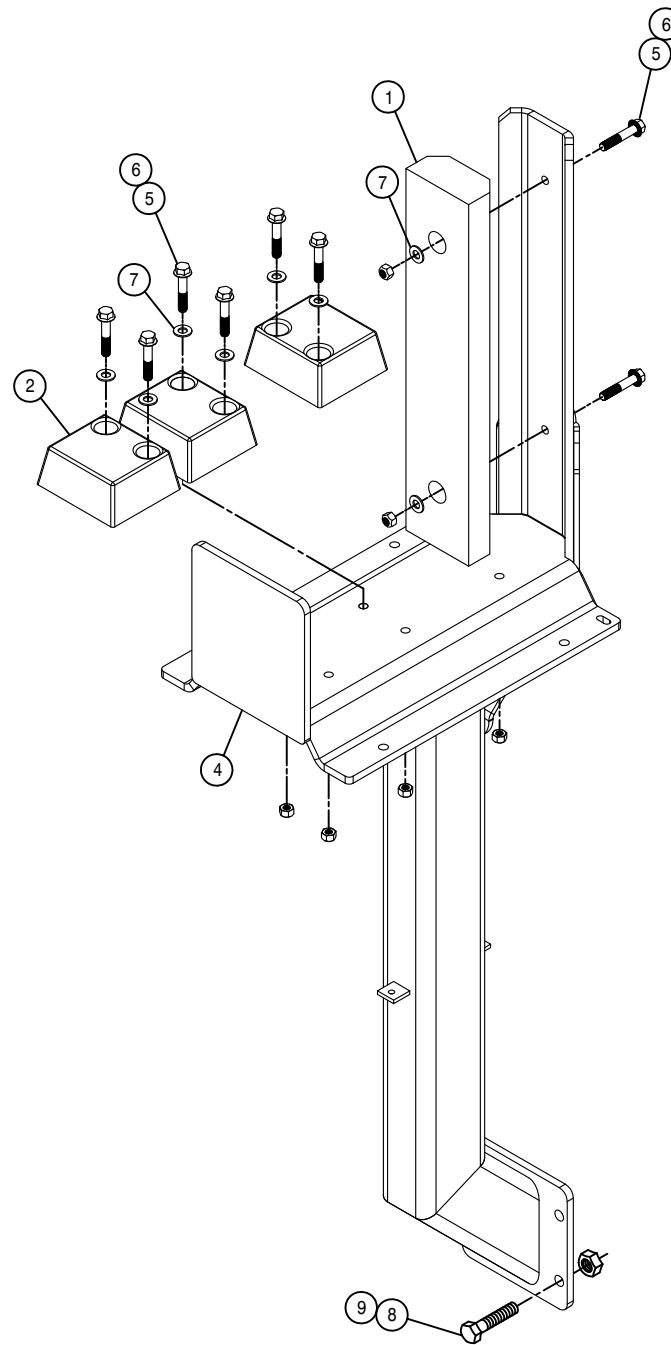
MODULE MOUNTS 120'

DET. QTY PART NO. DESCRIPTION

1	4	470121	1/4UNC HEX FLANGE LOCK NUT
2	4	900000	1/4UNC X 1/2 HEX BOLT
3	1	693139	NORAC MODULE,UC5 CONTROL
4	1	693124	RH NORAC UC5 MODUL MT,STX10'11
5	1	693125	LH NORAC UC5 MODUL MT,STX10'11



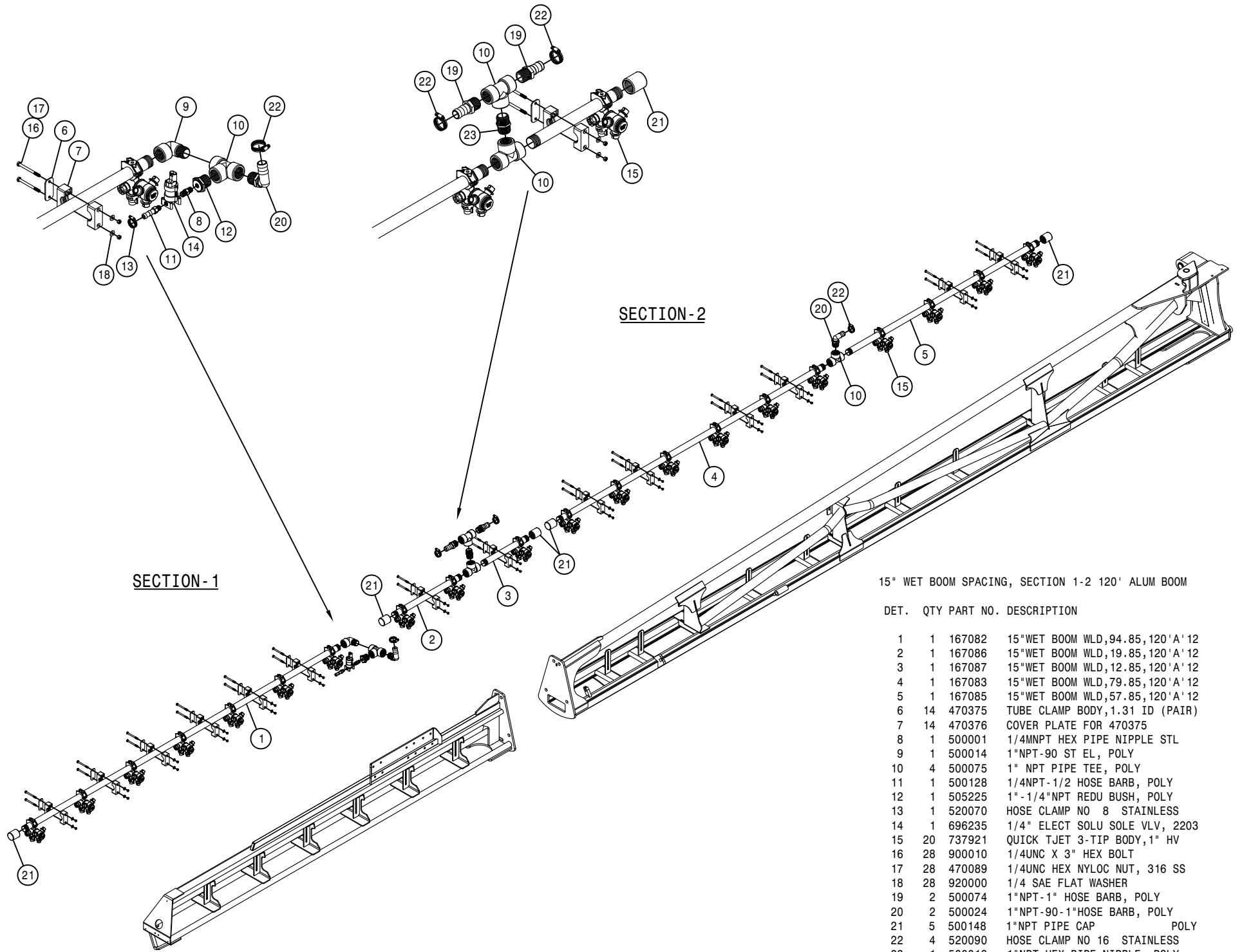
90' / 100' BOOM



120' BOOM

BOOM CRADLE ASSEMBLY

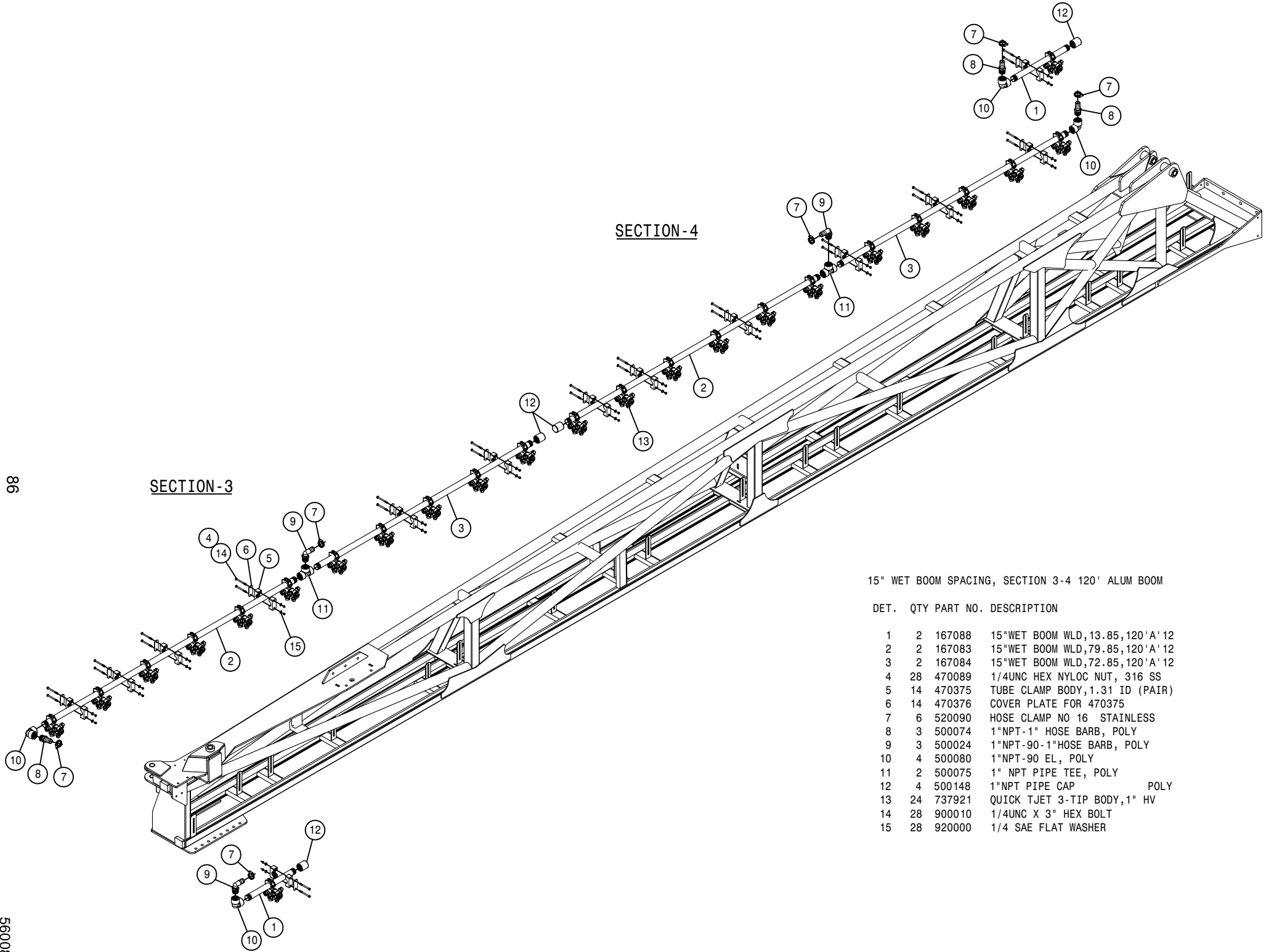
DET.	QTY	PART NO.	DESCRIPTION		
	1	2	164512	RUBBER BUMPER, BOOM CRADLE	00
	2	5	164513	BOOM CRADLE PAD	00
	3	1	165041	BOOM CRADLE WLD	07
	4	1	167053	BOOM CRADLE WLD,ALUM 120'A'12	
	5	14	900133	3/8UNC X 2" SERR FLANGE BOLT	
	6	14	914004	3/8UNC HEX STOVER NUT	
	7	14	920002	3/8 SAE FLAT WASHER	
	8	8	900804	1/2UNC X 1 1/2 HEX BOLT GR8	
	9	8	914808	1/2UNC HEX STOVER NUT GR8	



15" WET BOOM SPACING, SECTION 1-2 120' ALUM BOOM

DET. QTY PART NO. DESCRIPTION

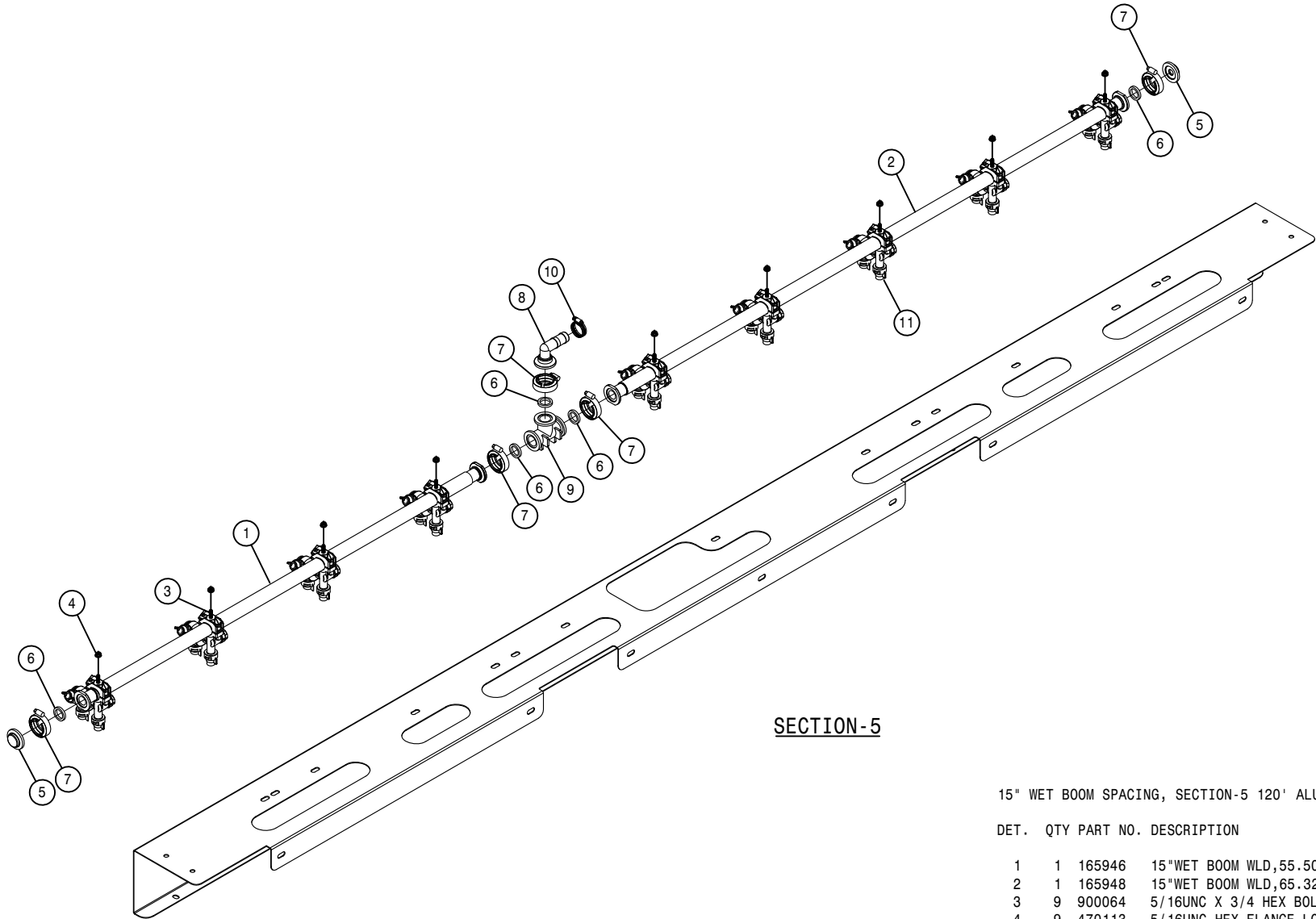
1	1	167082	15"WET BOOM WLD,94.85,120'A'12
2	1	167086	15"WET BOOM WLD,19.85,120'A'12
3	1	167087	15"WET BOOM WLD,12.85,120'A'12
4	1	167083	15"WET BOOM WLD,79.85,120'A'12
5	1	167085	15"WET BOOM WLD,57.85,120'A'12
6	14	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
7	14	470376	COVER PLATE FOR 470375
8	1	500001	1/4MNPT HEX PIPE NIPPLE STL
9	1	500014	1"NPT-90 ST EL, POLY
10	4	500075	1" NPT PIPE TEE, POLY
11	1	500128	1/4NPT-1/2 HOSE BARB, POLY
12	1	505225	1"-1/4"NPT REDU BUSH, POLY
13	1	520070	HOSE CLAMP NO 8 STAINLESS
14	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
15	20	737921	QUICK TJET 3-TIP BODY,1" HV
16	28	900010	1/4UNC X 3" HEX BOLT
17	28	470089	1/4UNC HEX NYLOC NUT, 316 SS
18	28	920000	1/4 SAE FLAT WASHER
19	2	500074	1"NPT-1" HOSE BARB, POLY
20	2	500024	1"NPT-90-1"HOSE BARB, POLY
21	5	500148	1"NPT PIPE CAP POLY
22	4	520090	HOSE CLAMP NO 16 STAINLESS
23	1	500013	1"NPT HEX PIPE NIPPLE, POLY



15" WET BOOM SPACING, SECTION 3-4 120' ALUM BOOM

DET. QTY PART NO. DESCRIPTION

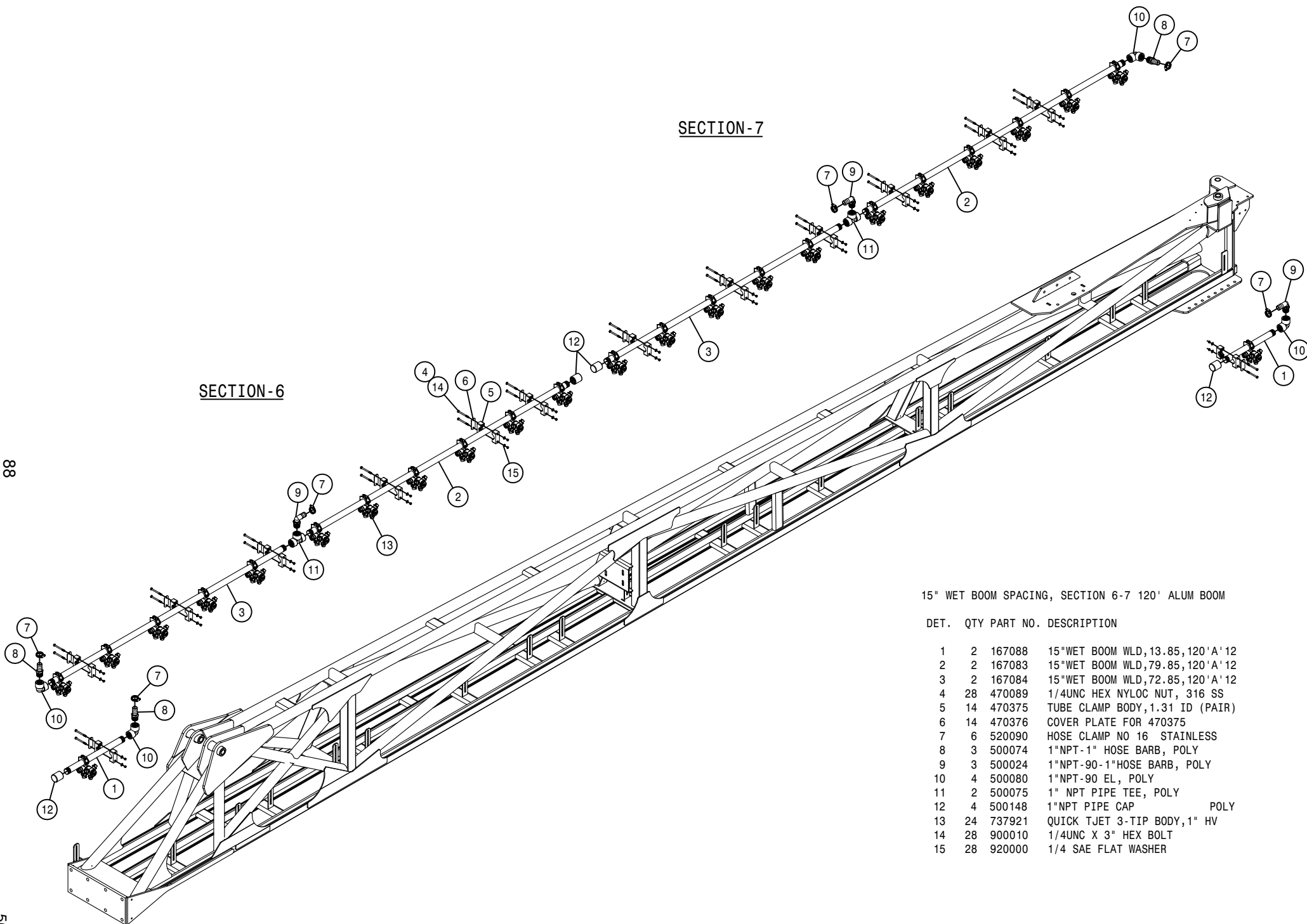
DET.	QTY	PART NO.	DESCRIPTION
1	2	167088	15"WET BOOM WLD,13.85,120'A' 12
2	2	167083	15"WET BOOM WLD,79.85,120'A' 12
3	2	167084	15"WET BOOM WLD,72.85,120'A' 12
4	28	470089	1/4UNC HEX NYLOC NUT, 316 SS
5	14	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
6	14	470376	COVER PLATE FOR 470375
7	6	520090	HOSE CLAMP NO 16 STAINLESS
8	3	500074	1"NPT-1" HOSE BARB, POLY
9	3	500024	1"NPT-90-1"HOSE BARB, POLY
10	4	500080	1"NPT-90 EL, POLY
11	2	500075	1" NPT PIPE TEE, POLY
12	4	500148	1"NPT PIPE CAP POLY
13	24	737921	QUICK TJET 3-TIP BODY,1" HV
14	28	900010	1/4UNC X 3" HEX BOLT
15	28	920000	1/4 SAE FLAT WASHER



SECTION-5

15" WET BOOM SPACING, SECTION-5 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	165946	15"WET BOOM WLD,55.50LG STS' 12
2	1	165948	15"WET BOOM WLD,65.32LG STS' 12
3	9	900064	5/16UNC X 3/4 HEX BOLT
4	9	470113	5/16UNC HEX FLANGE LOCK NUT
5	2	500155	1" FLANGE CAP PLUG POLY
6	5	500157	1" FLANGE GASKET EPDM
7	5	500159	1" FLANGE CLAMP, S.S.
8	1	500173	1" FLANGE-90-1" HOSE BARB POLY
9	1	500175	1" FLANGE TEE POLY
10	1	520090	HOSE CLAMP NO 16 STAINLESS
11	9	737921	QUICK TJET 3-TIP BODY,1" HV

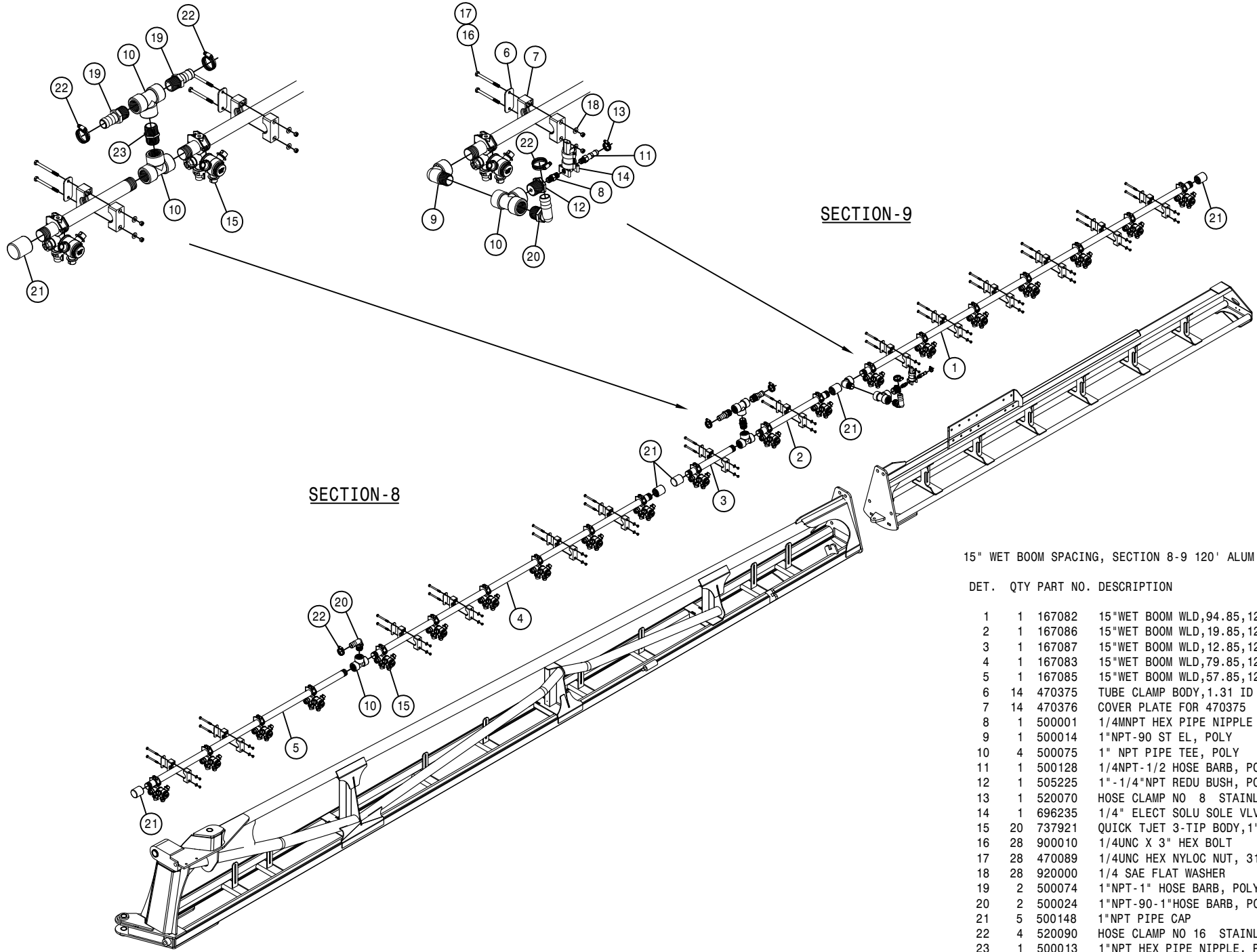


SECTION-7

SECTION-6

15" WET BOOM SPACING, SECTION 6-7 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	2	167088	15"WET BOOM WLD,13.85,120'A'12
2	2	167083	15"WET BOOM WLD,79.85,120'A'12
3	2	167084	15"WET BOOM WLD,72.85,120'A'12
4	28	470089	1/4UNC HEX NYLOC NUT, 316 SS
5	14	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
6	14	470376	COVER PLATE FOR 470375
7	6	520090	HOSE CLAMP NO 16 STAINLESS
8	3	500074	1"NPT-1" HOSE BARB, POLY
9	3	500024	1"NPT-90-1"HOSE BARB, POLY
10	4	500080	1"NPT-90 EL, POLY
11	2	500075	1" NPT PIPE TEE, POLY
12	4	500148	1"NPT PIPE CAP POLY
13	24	737921	QUICK TJET 3-TIP BODY,1" HV
14	28	900010	1/4UNC X 3" HEX BOLT
15	28	920000	1/4 SAE FLAT WASHER

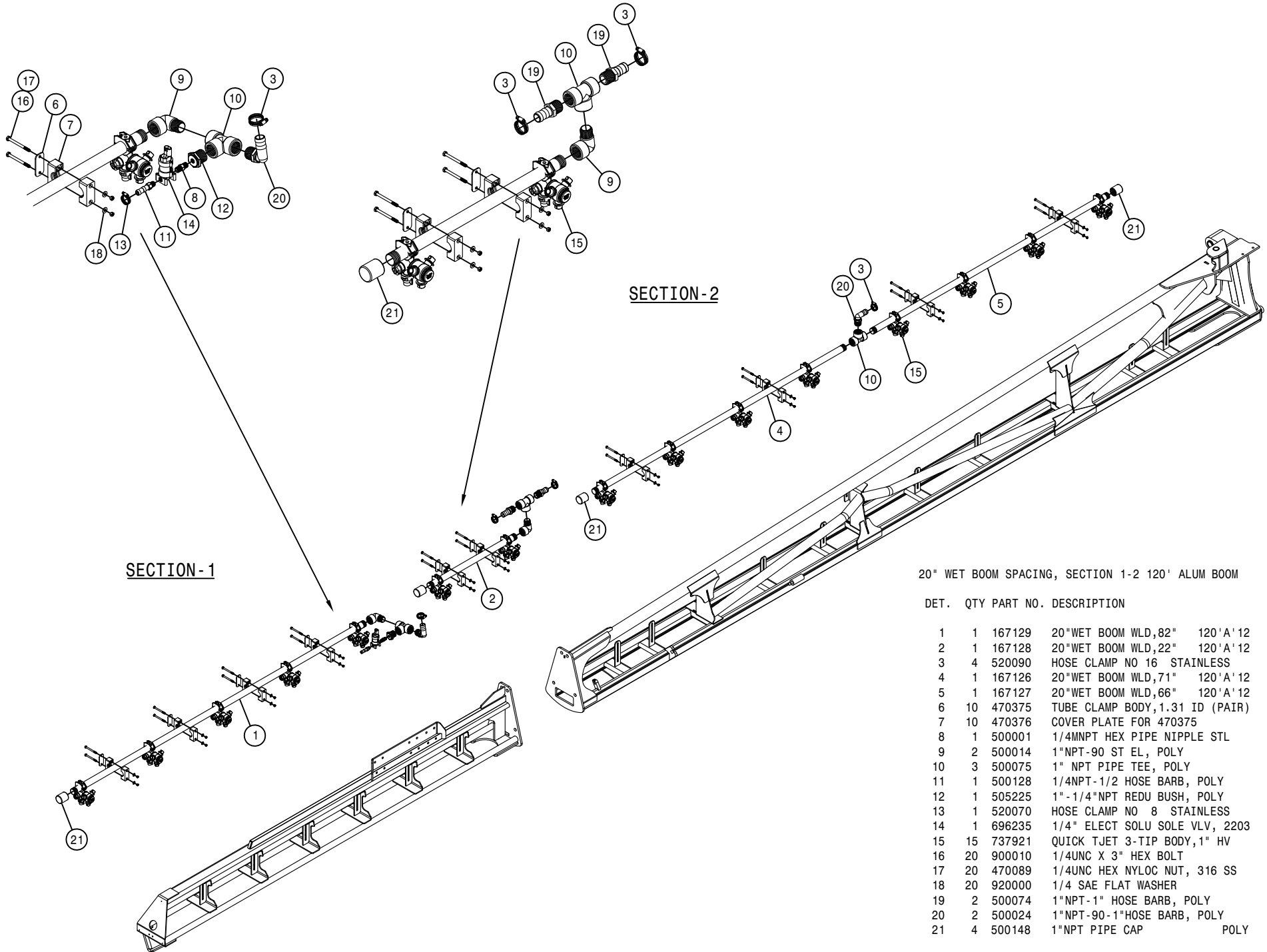


SECTION-8

SECTION-9

15" WET BOOM SPACING, SECTION 8-9 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	167082	15"WET BOOM WLD,94.85,120'A'12
2	1	167086	15"WET BOOM WLD,19.85,120'A'12
3	1	167087	15"WET BOOM WLD,12.85,120'A'12
4	1	167083	15"WET BOOM WLD,79.85,120'A'12
5	1	167085	15"WET BOOM WLD,57.85,120'A'12
6	14	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
7	14	470376	COVER PLATE FOR 470375
8	1	500001	1/4MNPT HEX PIPE NIPPLE STL
9	1	500014	1"NPT-90 ST EL, POLY
10	4	500075	1" NPT PIPE TEE, POLY
11	1	500128	1/4NPT-1/2 HOSE BARB, POLY
12	1	505225	1"-1/4"NPT REDU BUSH, POLY
13	1	520070	HOSE CLAMP NO 8 STAINLESS
14	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
15	20	737921	QUICK TJET 3-TIP BODY,1" HV
16	28	900010	1/4UNC X 3" HEX BOLT
17	28	470089	1/4UNC HEX NYLOC NUT, 316 SS
18	28	920000	1/4 SAE FLAT WASHER
19	2	500074	1"NPT-1" HOSE BARB, POLY
20	2	500024	1"NPT-90-1"HOSE BARB, POLY
21	5	500148	1"NPT PIPE CAP POLY
22	4	520090	HOSE CLAMP NO 16 STAINLESS
23	1	500013	1"NPT HEX PIPE NIPPLE, POLY

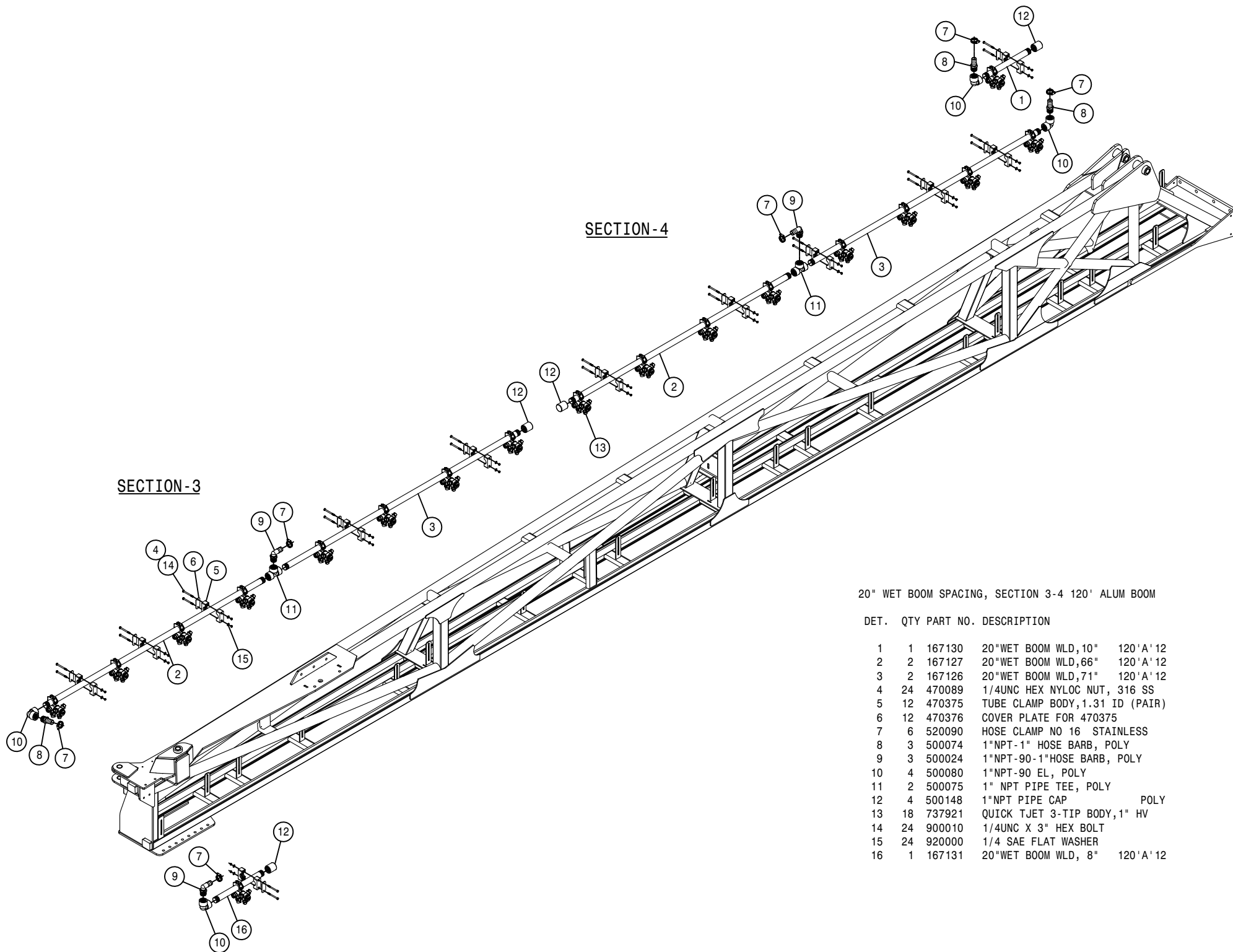


SECTION - 1

SECTION - 2

20" WET BOOM SPACING, SECTION 1-2 120' ALUM BOOM

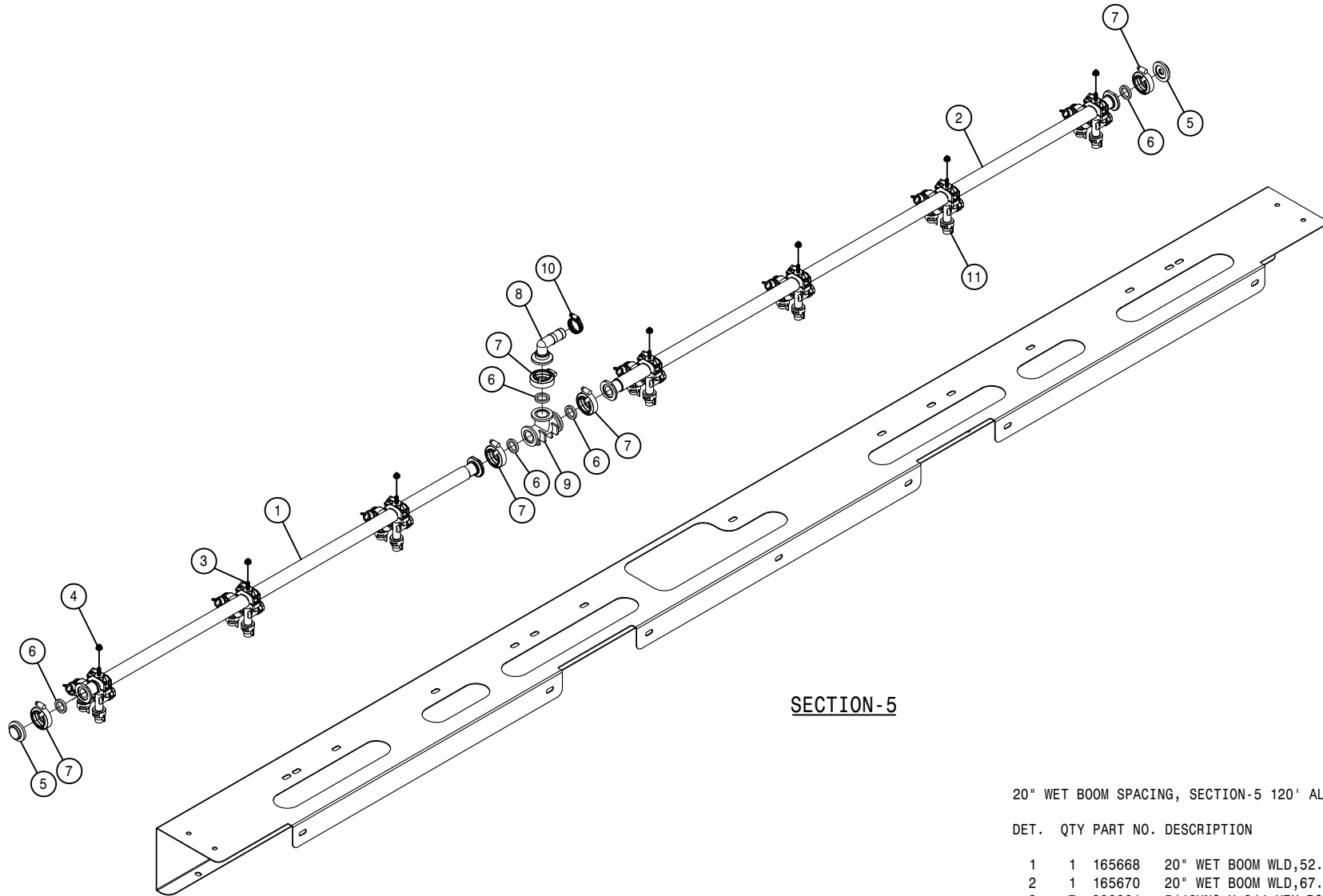
DET.	QTY	PART NO.	DESCRIPTION
1	1	167129	20"WET BOOM WLD,82" 120'A'12
2	1	167128	20"WET BOOM WLD,22" 120'A'12
3	4	520090	HOSE CLAMP NO 16 STAINLESS
4	1	167126	20"WET BOOM WLD,71" 120'A'12
5	1	167127	20"WET BOOM WLD,66" 120'A'12
6	10	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
7	10	470376	COVER PLATE FOR 470375
8	1	500001	1/4MNPT HEX PIPE NIPPLE STL
9	2	500014	1"NPT-90 ST EL, POLY
10	3	500075	1" NPT PIPE TEE, POLY
11	1	500128	1/4NPT-1/2 HOSE BARB, POLY
12	1	505225	1"-1/4"NPT REDU BUSH, POLY
13	1	520070	HOSE CLAMP NO 8 STAINLESS
14	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
15	15	737921	QUICK TJET 3-TIP BODY,1" HV
16	20	900010	1/4UNC X 3" HEX BOLT
17	20	470089	1/4UNC HEX NYLOC NUT, 316 SS
18	20	920000	1/4 SAE FLAT WASHER
19	2	500074	1"NPT-1" HOSE BARB, POLY
20	2	500024	1"NPT-90-1"HOSE BARB, POLY
21	4	500148	1"NPT PIPE CAP POLY



20" WET BOOM SPACING, SECTION 3-4 120' ALUM BOOM

DET. QTY PART NO. DESCRIPTION

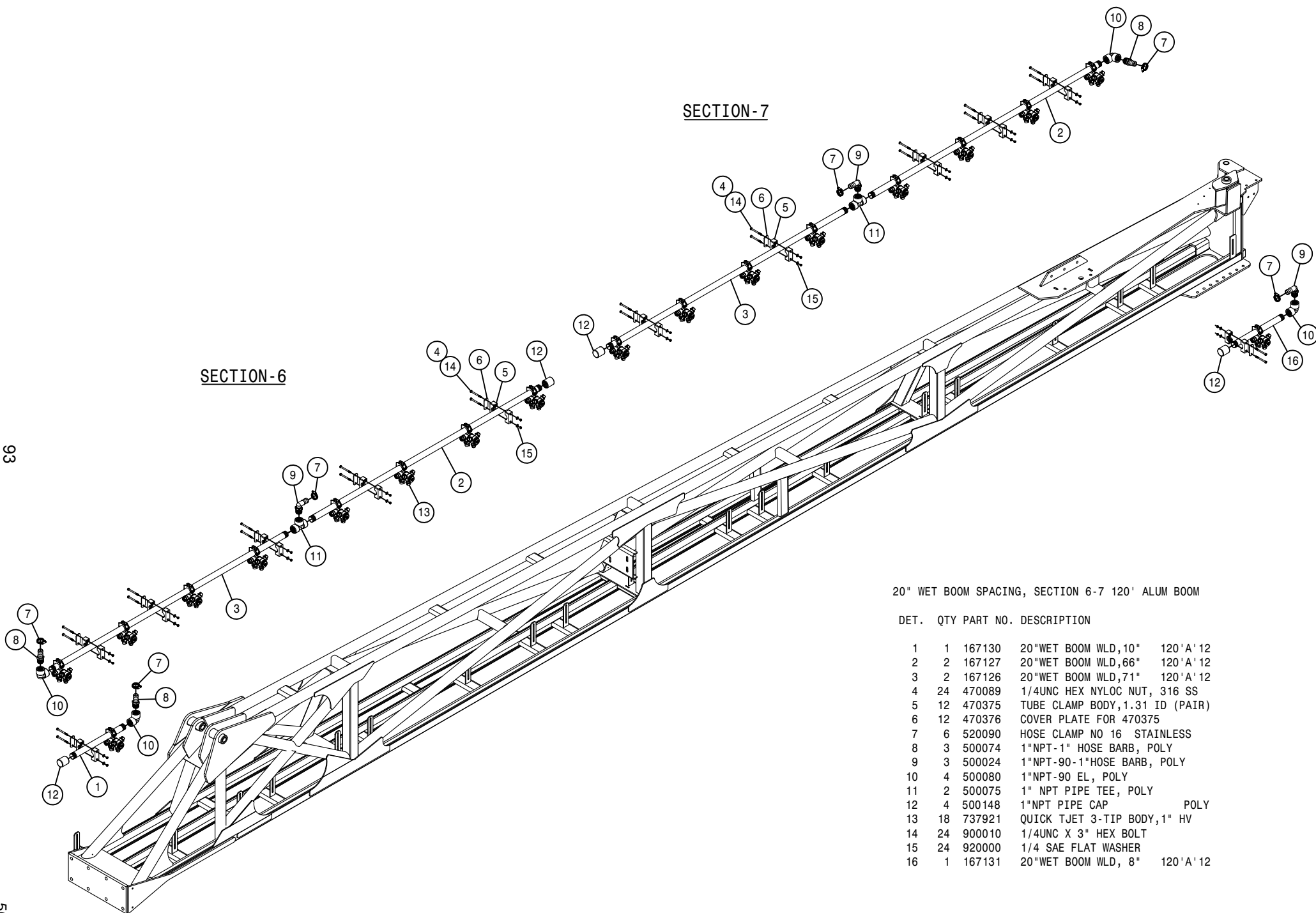
1	1	167130	20"WET BOOM WLD,10"	120'A'12
2	2	167127	20"WET BOOM WLD,66"	120'A'12
3	2	167126	20"WET BOOM WLD,71"	120'A'12
4	24	470089	1/4UNC HEX NYLOC NUT, 316 SS	
5	12	470375	TUBE CLAMP BODY,1.31 ID (PAIR)	
6	12	470376	COVER PLATE FOR 470375	
7	6	520090	HOSE CLAMP NO 16 STAINLESS	
8	3	500074	1"NPT-1" HOSE BARB, POLY	
9	3	500024	1"NPT-90-1"HOSE BARB, POLY	
10	4	500080	1"NPT-90 EL, POLY	
11	2	500075	1" NPT PIPE TEE, POLY	
12	4	500148	1"NPT PIPE CAP	POLY
13	18	737921	QUICK TJET 3-TIP BODY,1" HV	
14	24	900010	1/4UNC X 3" HEX BOLT	
15	24	920000	1/4 SAE FLAT WASHER	
16	1	167131	20"WET BOOM WLD, 8"	120'A'12



SECTION-5

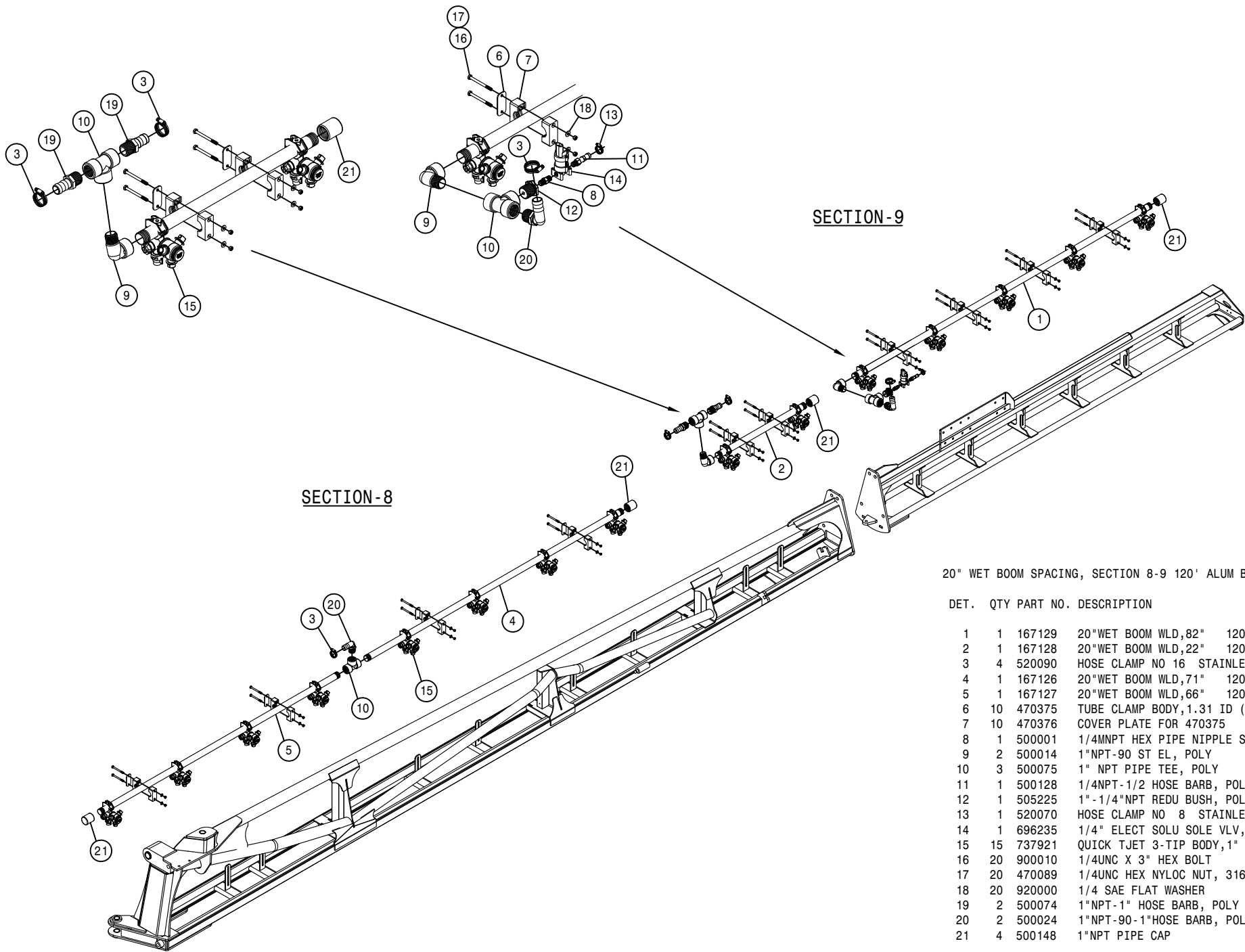
20" WET BOOM SPACING, SECTION-5 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
	1	165668	20" WET BOOM WLD,52.91 LG 09
	1	165670	20" WET BOOM WLD,67.91 LG 09
	7	900064	5/16UNC X 3/4 HEX BOLT
	7	470113	5/16UNC HEX FLANGE LOCK NUT
	2	500155	1" FLANGE CAP PLUG POLY
	5	500157	1" FLANGE GASKET EPDM
	5	500159	1" FLANGE CLAMP, S.S.
	1	500173	1" FLANGE-90-1" HOSE BARB POLY
	1	500175	1" FLANGE TEE POLY
	1	520090	HOSE CLAMP NO 16 STAINLESS
	7	737921	QUICK TJET 3-TIP BODY,1" HV



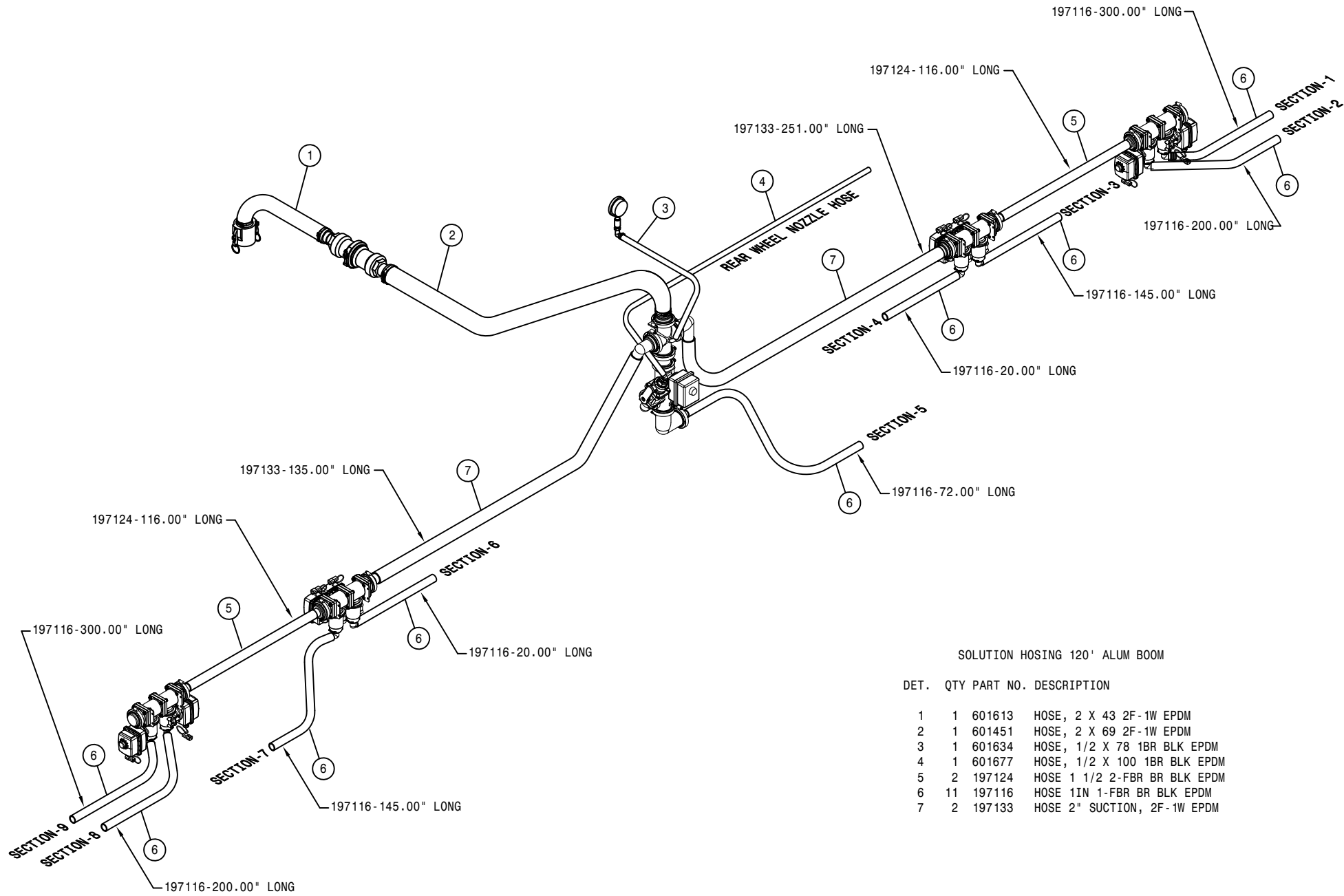
20" WET BOOM SPACING, SECTION 6-7 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	167130	20"WET BOOM WLD,10" 120'A'12
2	2	167127	20"WET BOOM WLD,66" 120'A'12
3	2	167126	20"WET BOOM WLD,71" 120'A'12
4	24	470089	1/4UNC HEX NYLOC NUT, 316 SS
5	12	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
6	12	470376	COVER PLATE FOR 470375
7	6	520090	HOSE CLAMP NO 16 STAINLESS
8	3	500074	1"NPT-1" HOSE BARB, POLY
9	3	500024	1"NPT-90-1"HOSE BARB, POLY
10	4	500080	1"NPT-90 EL, POLY
11	2	500075	1" NPT PIPE TEE, POLY
12	4	500148	1"NPT PIPE CAP POLY
13	18	737921	QUICK TJET 3-TIP BODY,1" HV
14	24	900010	1/4UNC X 3" HEX BOLT
15	24	920000	1/4 SAE FLAT WASHER
16	1	167131	20"WET BOOM WLD, 8" 120'A'12



20" WET BOOM SPACING, SECTION 8-9 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	167129	20"WET BOOM WLD,82" 120'A'12
2	1	167128	20"WET BOOM WLD,22" 120'A'12
3	4	520090	HOSE CLAMP NO 16 STAINLESS
4	1	167126	20"WET BOOM WLD,71" 120'A'12
5	1	167127	20"WET BOOM WLD,66" 120'A'12
6	10	470375	TUBE CLAMP BODY,1.31 ID (PAIR)
7	10	470376	COVER PLATE FOR 470375
8	1	500001	1/4MNPT HEX PIPE NIPPLE STL
9	2	500014	1"NPT-90 ST EL, POLY
10	3	500075	1" NPT PIPE TEE, POLY
11	1	500128	1/4NPT-1/2 HOSE BARB, POLY
12	1	505225	1"-1/4"NPT REDU BUSH, POLY
13	1	520070	HOSE CLAMP NO 8 STAINLESS
14	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
15	15	737921	QUICK TJET 3-TIP BODY,1" HV
16	20	900010	1/4UNC X 3" HEX BOLT
17	20	470089	1/4UNC HEX NYLOC NUT, 316 SS
18	20	920000	1/4 SAE FLAT WASHER
19	2	500074	1"NPT-1" HOSE BARB, POLY
20	2	500024	1"NPT-90-1"HOSE BARB, POLY
21	4	500148	1"NPT PIPE CAP POLY

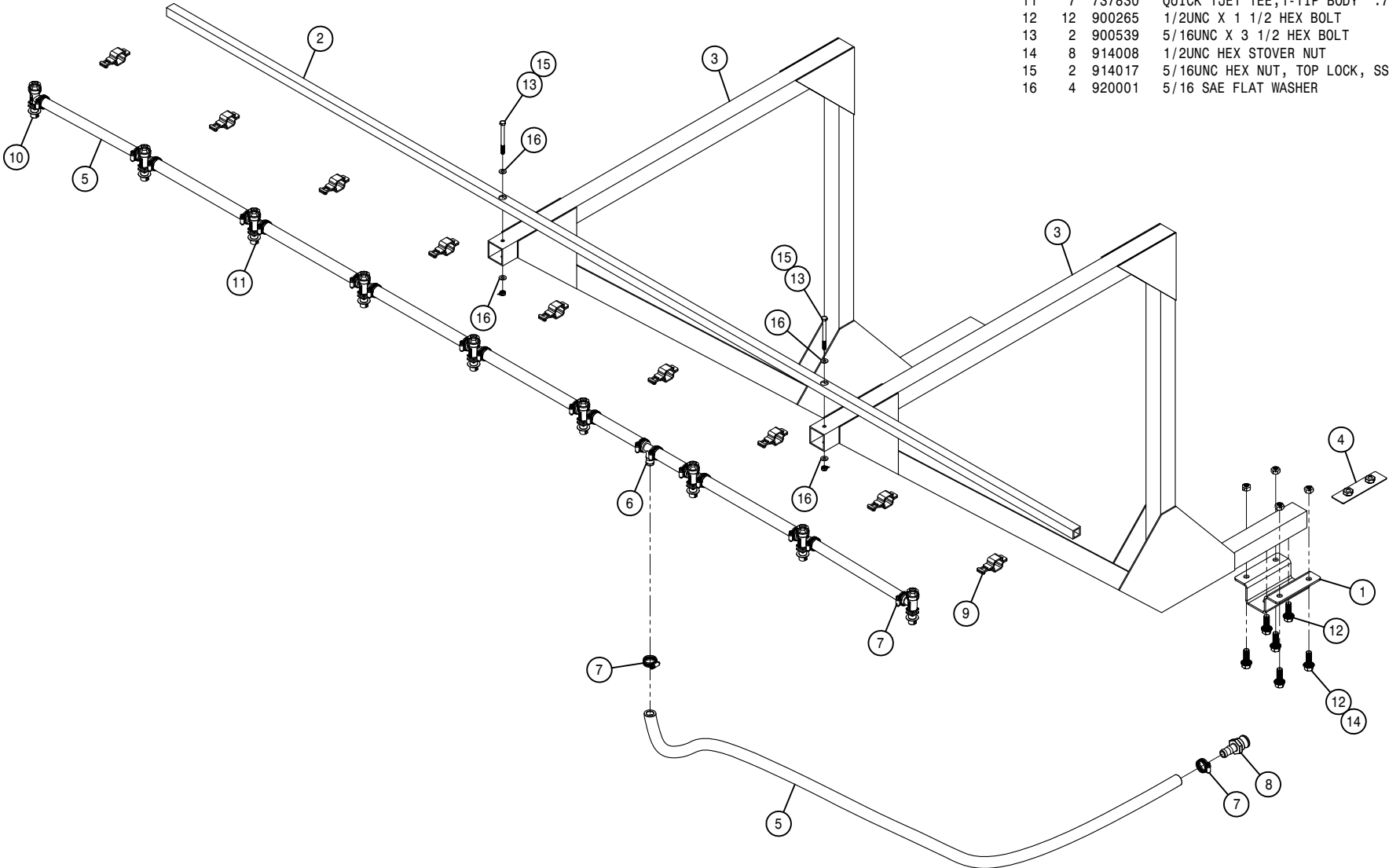


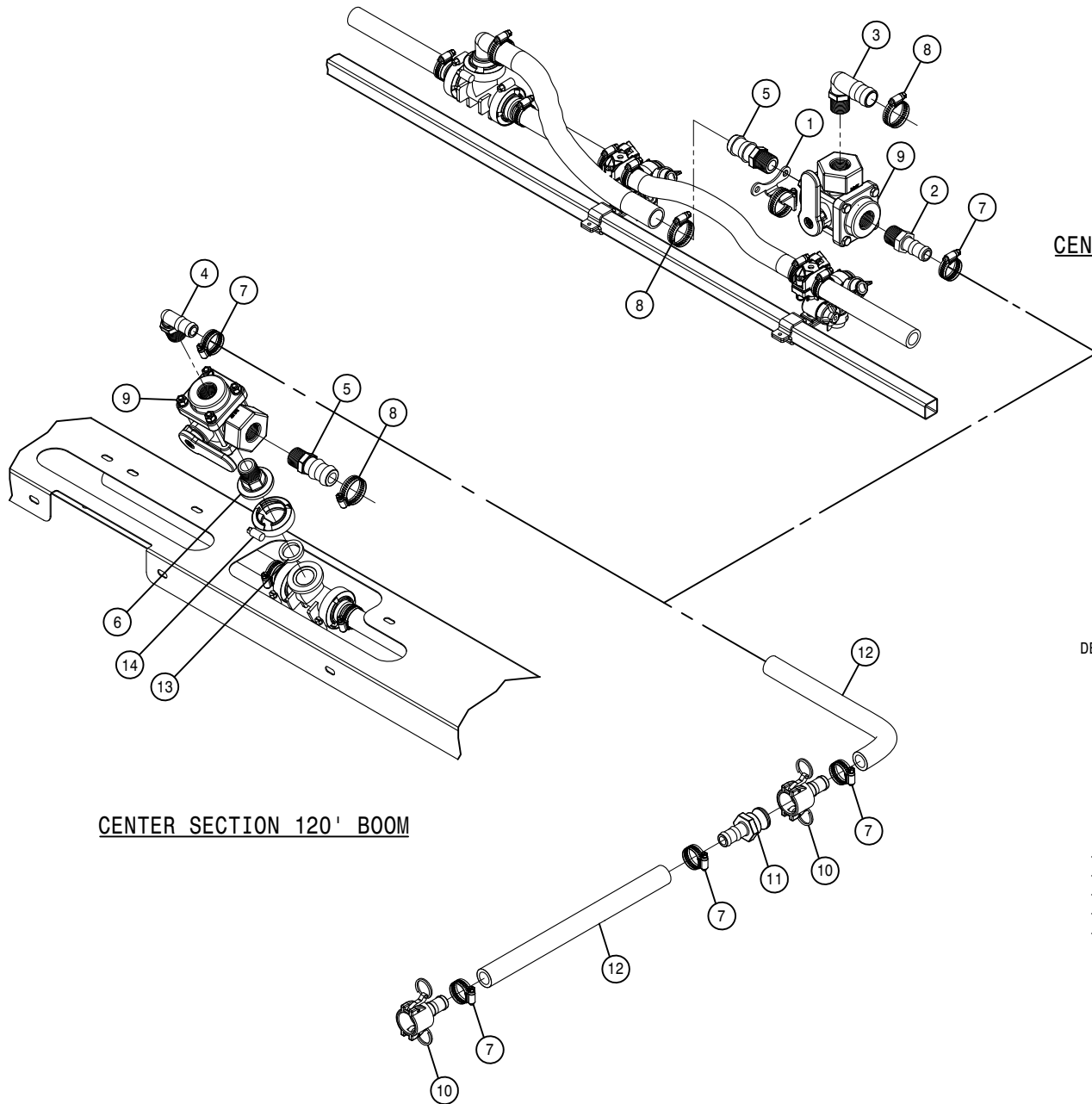
SOLUTION HOSEING 120' ALUM BOOM

DET.	QTY	PART NO.	DESCRIPTION
1	1	601613	HOSE, 2 X 43 2F-1W EPDM
2	1	601451	HOSE, 2 X 69 2F-1W EPDM
3	1	601634	HOSE, 1/2 X 78 1BR BLK EPDM
4	1	601677	HOSE, 1/2 X 100 1BR BLK EPDM
5	2	197124	HOSE 1 1/2 2-FBR BR BLK EPDM
6	11	197116	HOSE 1IN 1-FBR BR BLK EPDM
7	2	197133	HOSE 2" SUCTION, 2F-1W EPDM

REAR BOOM ASSEMBLY

DET.	QTY	PART NO.	DESCRIPTION
1	2	165061	REAR BOOM BUMPER MT,STS '11
2	1	165062	REAR ALUM BOOM WLD STS'11
3	2	165065	REAR ALUM BOOM SUPP WLD STS'11
4	2	165073	BUMPER MT PLT WLD,REAR BOOM'11
5	60'	197121	HOSE 3/4 2-FBR BR BLK EPDM
6	1	500073	3/4 HOSE BARB TEE, POLY
7	20	520055	HOSE CLAMP NO 12 STAINLESS
8	1	696208	.75 HOSE BARB-MALE COUPLER
9	9	737817	NOZL MT CLMP,1.00 SQ SS,Q-TJET
10	2	737829	QUICK TJET LBO,1-TIP BODY .75
11	7	737830	QUICK TJET TEE,1-TIP BODY .75
12	12	900265	1/2UNC X 1 1/2 HEX BOLT
13	2	900539	5/16UNC X 3 1/2 HEX BOLT
14	8	914008	1/2UNC HEX STOVER NUT
15	2	914017	5/16UNC HEX NUT, TOP LOCK, SS
16	4	920001	5/16 SAE FLAT WASHER





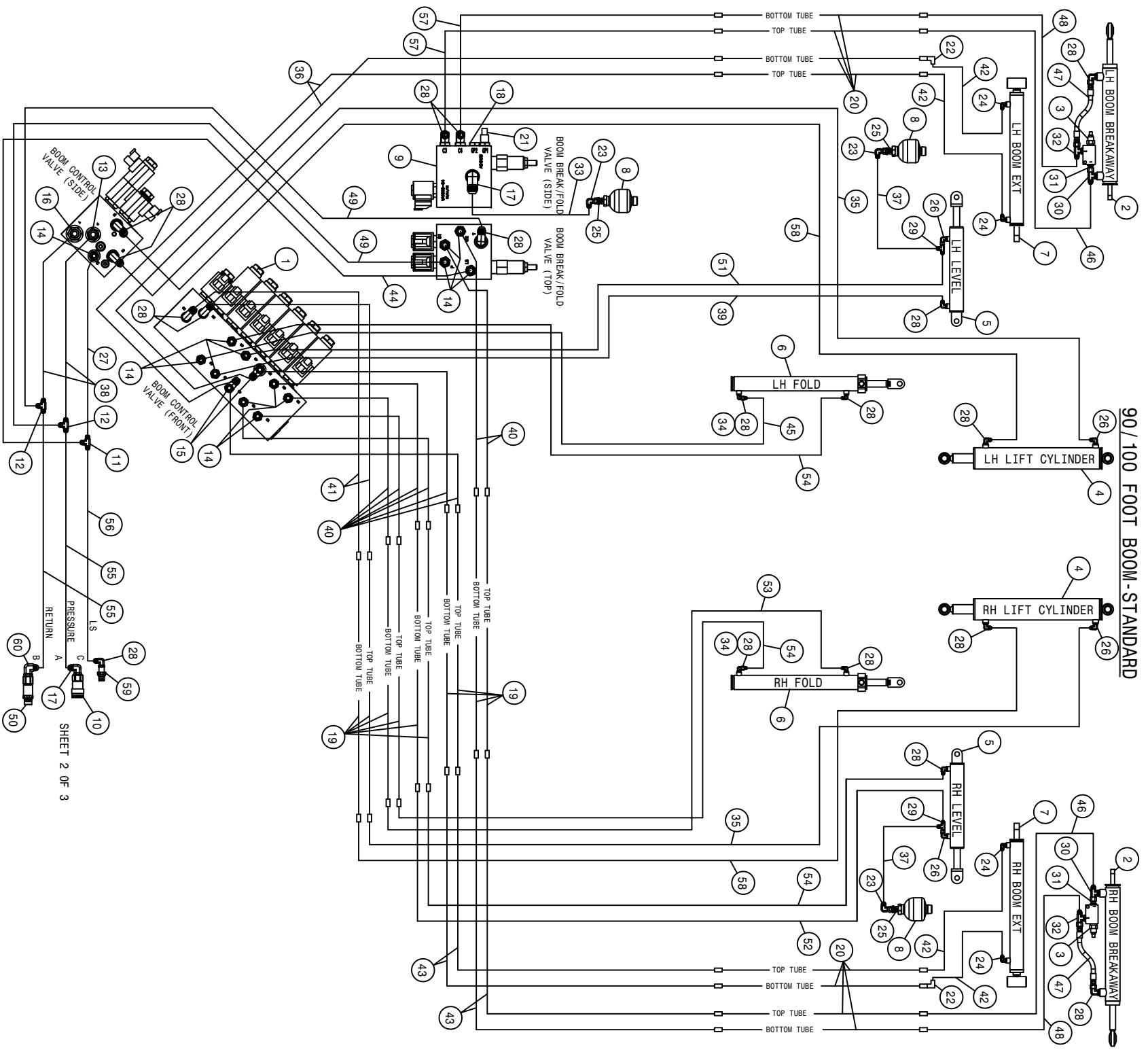
CENTER SECTION 90' / 100' BOOM

CENTER SECTION 120' BOOM

REAR BOOM ASSEMBLY

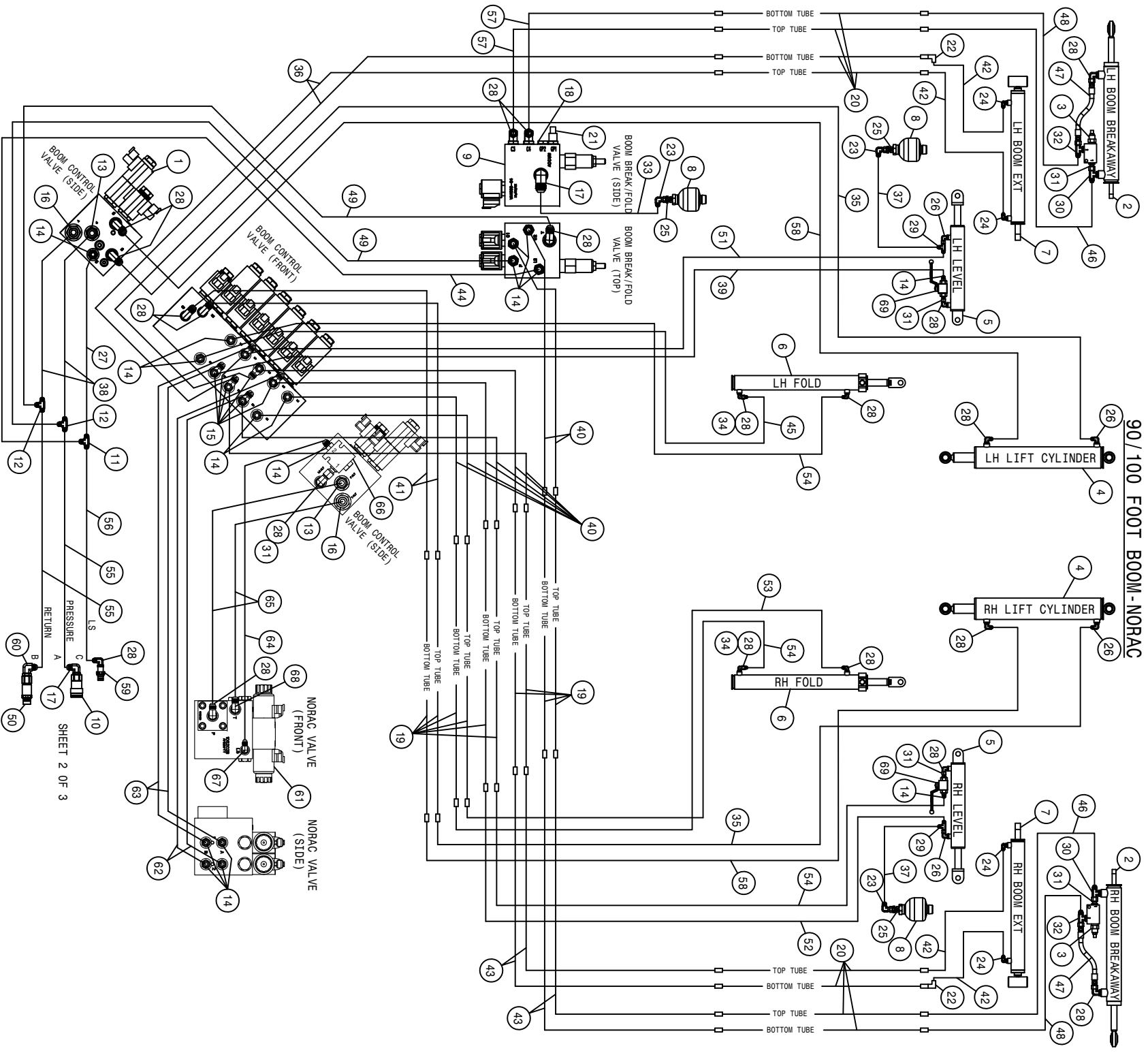
DET. QTY PART NO. DESCRIPTION

1	1	165075	BALL VLV MT, REAR BOOM STS'11
2	1	500022	3/4NPT-3/4HOSE BARB, POLY
3	1	500026	3/4NPT-90-1"HOSE BARB, POLY
4	1	500054	3/4NPT-90-3/4 HOSE BARB, POLY
5	1	500123	3/4NPT-1"HOSE BARB, POLY
6	1	500235	1" FLANGE-3/4" MNPT POLY
7	4	520055	HOSE CLAMP NO 12 STAINLESS
8	3	520090	HOSE CLAMP NO 16 STAINLESS
9	1	696003	BALL VLV,3/4NPT 3WAY-SIDE POLY
10	2	696207	.75 HOSE BARB-FEMALE COUPLER
11	1	696208	.75 HOSE BARB-MALE COUPLER
12	2	197121	HOSE 3/4 2-FBR BR BLK EPDM
13	1	500157	1" FLANGE GASKET EPDM
14	1	500159	1" FLANGE CLAMP, S.S.



STS 90'/100' BOOM HYDRAULIC DIAGRAM 2013
REFERENCE DRAWING NO. 499261S3

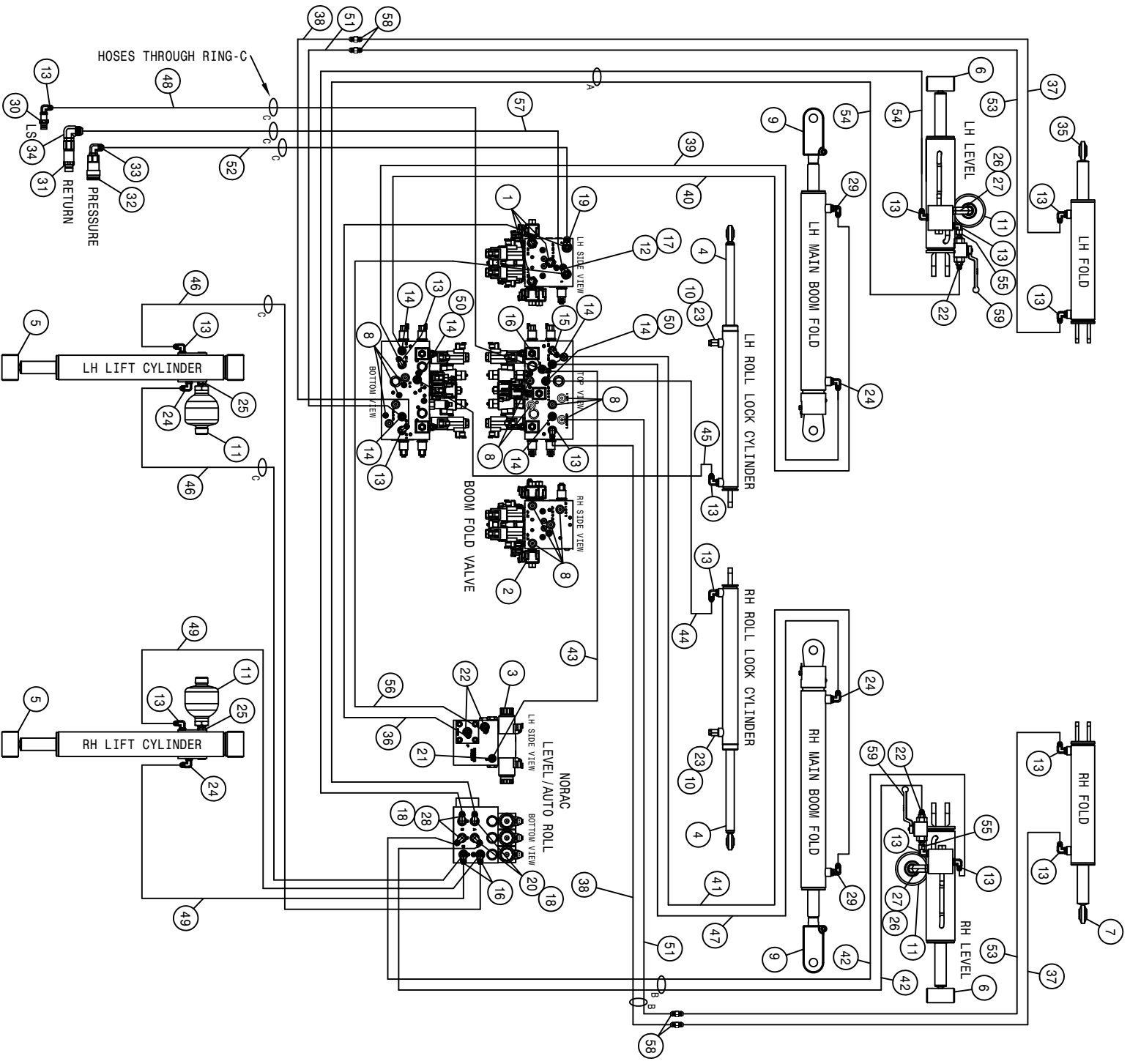
DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	1	606272	VALVE, LOAD SENSE BOOM SAUER	31	2	618668	9/16FJIC SWIV-9/16MOR ADPTR
2	2	621590	HYD CYL, 1.50 X 10.88 X .875	32	2	614752	RESTRICTOR BR TEE ASSY, .042DIA
3	2	607540	KICK-DOWN RELIEF VALVE, 800PSI	33	1	616384	08-451TC-.08FJX-.08FJX-.43
4	2	621556	HYD CYL, 2.50 X 18.00 X 1.500	34	2	618733	9/16JIC, .042 ORIFICE ADPTR
5	2	621558	HYD CYL, 3.00 X 11.00 X 1.380	35	2	616358	06-451TC-.06FJX-.06FJX-.56
6	2	621560	HYD CYL, 2.50 X 21.00 X 1.380	36	2	616357	06-451TC-.06FJX-.06FJX90-.79
7	2	621562	HYD CYL, 2.25 X 21.00 X 1.380	37	2	616365	06-451TC-.08FJX-.06FJX90-.30
8	3	470444	ACCUMULATOR, 30CI 1508 PSI	38	2	616366	08-451TC-.08FJX-.08FJX90-.18
9	1	606248	90'BREAKAWAY VLV,STS PUMRSYS	39	1	616403	06-451TC-.06FJX-.06FJX-.65
10	1	618807	HYD CPLR, FEM #12,3/4FOR	40	8	616316	06-451TC-.06FJX-.06FJX45-.18
11	1	618748	7/16MJIC BLKHD RUN TEE	41	2	616304	06-451TC-.06FJX-.06FJX-.36
12	2	618749	3/4MJIC BLKHD RUN TEE	42	4	616356	06-451TC-.06FJX-.06FJX90-.27
13	1	611125	3/4MJIC-3/4MOR ADPTR	43	4	616353	06-451TC-.06FJX-.06FJX-.71
14	13	618126	9/16MJIC-9/16MOR ADPTR	44	1	616362	04-451TC-.06FJX-.06FJX90-.35
15	2	618444	9/16MOR RUN TEE-9/16MJIC	45	1	616352	06-451TC-.06FJX-.06FJX-.62
16	1	618327	3/4MJIC-7/8MOR ADPTR	46	2	616360	06-451TC-.06FJX-.06FJX-.84
17	2	618241	3/4MJIC-90-3/4MOR LBO	47	2	617054	04-451TC-.06FJX-.06FJX-.11
18	1	618754	9/16MOR PLUG, HEX SOCKET	48	2	616361	06-451TC-.06FJX-.06FJX-.86
19	10	615852	LIFTARM HYD TUBE ASSY,STLS 07	49	2	616364	06-451TC-.08FJX-.06FJX90-.31
20	8	615851	HYD TUBE,MAIN BOOM,STS	50	1	618806	HYD CPLR,MALE #12,7/8FOR
21	1	606347	PRESSURE TRANSDUCER,7500PSI	51	1	616349	06-451TC-.06FJX-.06FJX-.47
22	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	52	1	616348	06-451TC-.06FJX-.06FJX-.42
23	3	618609	3/4MJIC-90-3/4FJIC SWIV LBO	53	1	616350	06-451TC-.06FJX-.06FJX-.58
24	4	618688	9/16MJ-90-9/16MOR .025 CHK VLV	54	3	616351	06-451TC-.06FJX-.06FJX-.60
25	3	618743	3/4MOR-3/4MJIC BLKHD, .040MFM0	55	2	616135	08-451TC-.08FJX-.08FJX-.50
26	4	618689	9/16MJ-90-9/16MOR .042 CHK VLV	56	1	616431	04-451TC-.04FJX-.06FJX-.51
27	1	616430	04-451TC-.06FJX-.04FJX90-.19 H/A	57	2	616359	06-451TC-.06FJX-.06FJX-.78
28	18	618119	9/16MJIC-90-9/16MOR LBO	58	2	616371	06-451TC-.06FJX-.06FJX-.38
29	2	618486	9/16FJIC SW RUN TEE-9/16MJIC	59	1	618804	HYD CPLR,MALE #14,9/16FOR
30	2	618629	9/16MOR BRANCH TEE-9/16MJIC	60	1	618183	3/4MJIC-90-7/8MOR LBO



SHEET 2 OF 3

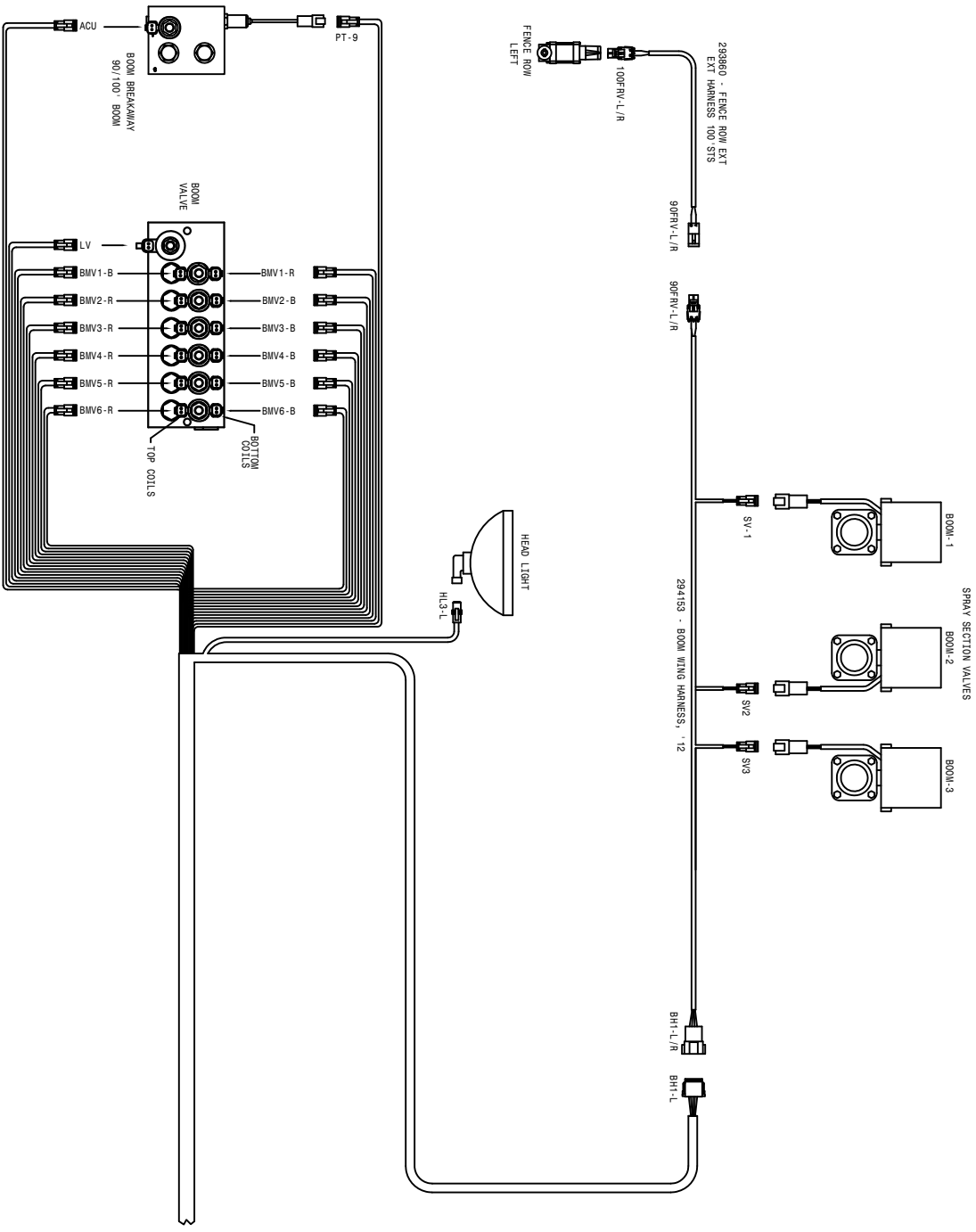
STS 90'/100' BOOM HYDRAULIC DIAGRAM 2013
REFERENCE DRAWING NO. 499261S4

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	1	606272	VALVE, LOAD SENSE BOOM SAUER	36	2	616357	06-451TC-06FJX-06FJX90-79
2	2	621590	HYD CYL, 1.50 X 10.88 X .875	37	2	616365	06-451TC-08FJX-06FJX90-30
3	2	607540	KICK-DOWN RELIEF VALVE, 800PSI	38	2	616366	08-451TC-08FJX-08FJX90-18
4	2	621556	HYD CYL, 2.50 X 18.00 X 1.500	39	1	616403	06-451TC-06FJX-06FJX-65
5	2	621558	HYD CYL, 3.00 X 11.00 X 1.380	40	8	616316	06-451TC-06FJX-06FJX45-18
6	2	621560	HYD CYL, 2.50 X 21.00 X 1.380	41	2	616304	06-451TC-06FJX-06FJX-36
7	2	621562	HYD CYL, 2.25 X 21.00 X 1.380	42	4	616356	06-451TC-06FJX-06FJX90-27
8	3	470444	ACCUMULATOR, 30CI 1508 PSI	43	4	616353	06-451TC-06FJX-06FJX-71
9	1	606248	90'BREAKAWAY VLV,STS PWRSYS	44	1	616362	04-451TC-04FJX-06FJX90-35
10	1	618807	HYD CPLR, FEM #12,3/4FOR	45	1	616352	06-451TC-06FJX-06FJX-62
11	1	618748	7/16MJIC BLKHD RUN TEE	46	2	616360	06-451TC-06FJX-06FJX-84
12	1	618749	3/4MJIC BLKHD RUN TEE	47	2	617054	04-451TC-06FJX-06FJX-11
13	2	611125	3/4MJIC-3/4MOR ADPTR	48	2	616361	06-451TC-06FJX-06FJX-86
14	2	618126	9/16MJIC-9/16MOR ADPTR	49	2	616364	06-451TC-08FJX-06FJX90-31
15	6	618444	9/16MOR RUN TEE-9/16MJIC	50	1	618806	HYD CPLR,MALE #12,7/8FOR
16	2	618327	3/4MJIC-7/8MOR ADPTR	51	1	616349	06-451TC-06FJX-06FJX-47
17	2	618241	3/4MJIC-90-3/4MOR LBO	52	1	616348	06-451TC-06FJX-06FJX-42
18	1	618754	9/16MOR PLUG, HEX SOCKET	53	1	616350	06-451TC-06FJX-06FJX-58
19	10	615852	LIFTARM HYD TUBE ASSY,STLS 07	54	3	616351	06-451TC-06FJX-06FJX-60
20	8	615851	HYD TUBE,MAIN BOOM,STS	55	2	616135	08-451TC-08FJX-08FJX-50
21	1	606347	PRESSURE TRANSDUCER,7500PSI	56	1	616431	04-451TC-04FJX-06FJX-51
22	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	57	2	616359	06-451TC-06FJX-06FJX-78
23	3	618609	3/4MJIC-90-3/4FJIC SWIV LBO	58	2	616371	06-451TC-06FJX-06FJX-38
24	4	618688	9/16MJ-90-9/16MOR .025 CHK VLV	59	1	618804	HYD CPLR,MALE #14,9/16FOR
25	3	618743	3/4MOR-3/4MJIC BLKHD,.040MFM0	60	1	618183	3/4MJIC-90-7/8MOR LBO
26	4	618689	9/16MJ-90-9/16MOR .042 CHK VLV	61	1	606455	NDRAC HYD VALVE (44963D)
27	1	616430	04-451TC-06FJX-04FJX90-19 H/A	62	2	616555	06-451TC-06FJX-06FJX90-31
28	20	618119	9/16MJIC-90-9/16MOR LBO	63	2	616557	06-451TC-06FJX-06FJX90L-31
29	2	618486	9/16FJIC SW RUN TEE-9/16MJIC	64	1	616554	04-451TC-04FJX-06FJX90-30
30	2	618629	9/16MOR BRANCH TEE-9/16MJIC	65	2	616556	08-451TC-06FJX-08FJX90-31
31	5	618668	9/16FJIC SWIV-9/16MOR ADPTR	66	1	606256	CHECK VALVE, IN LINE SAUER
32	2	614752	RESTRICTOR BR TEE ASSY, .042DIA	67	1	618473	7/16MJIC-90-7/16MOR LBO
33	1	616384	08-451TC-08FJX-08FJX-43 H/A	68	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
34	2	618733	9/16JIC .042 ORIFICE ADPTR	69	2	696131	BALL VALVE,9/16FOR,7250PSI
35	2	616358	06-451TC-06FJX-06FJX-56 H/A				

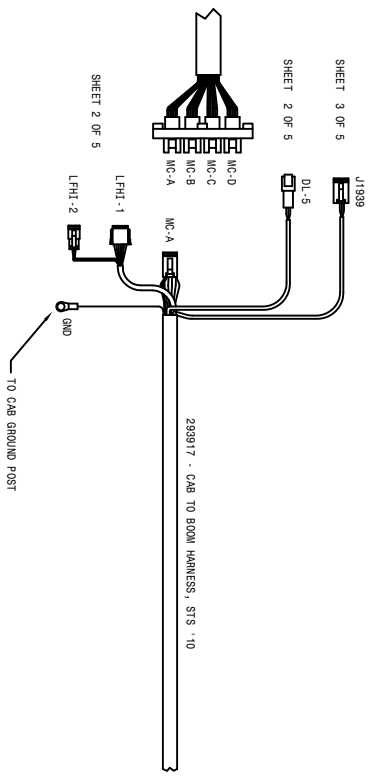


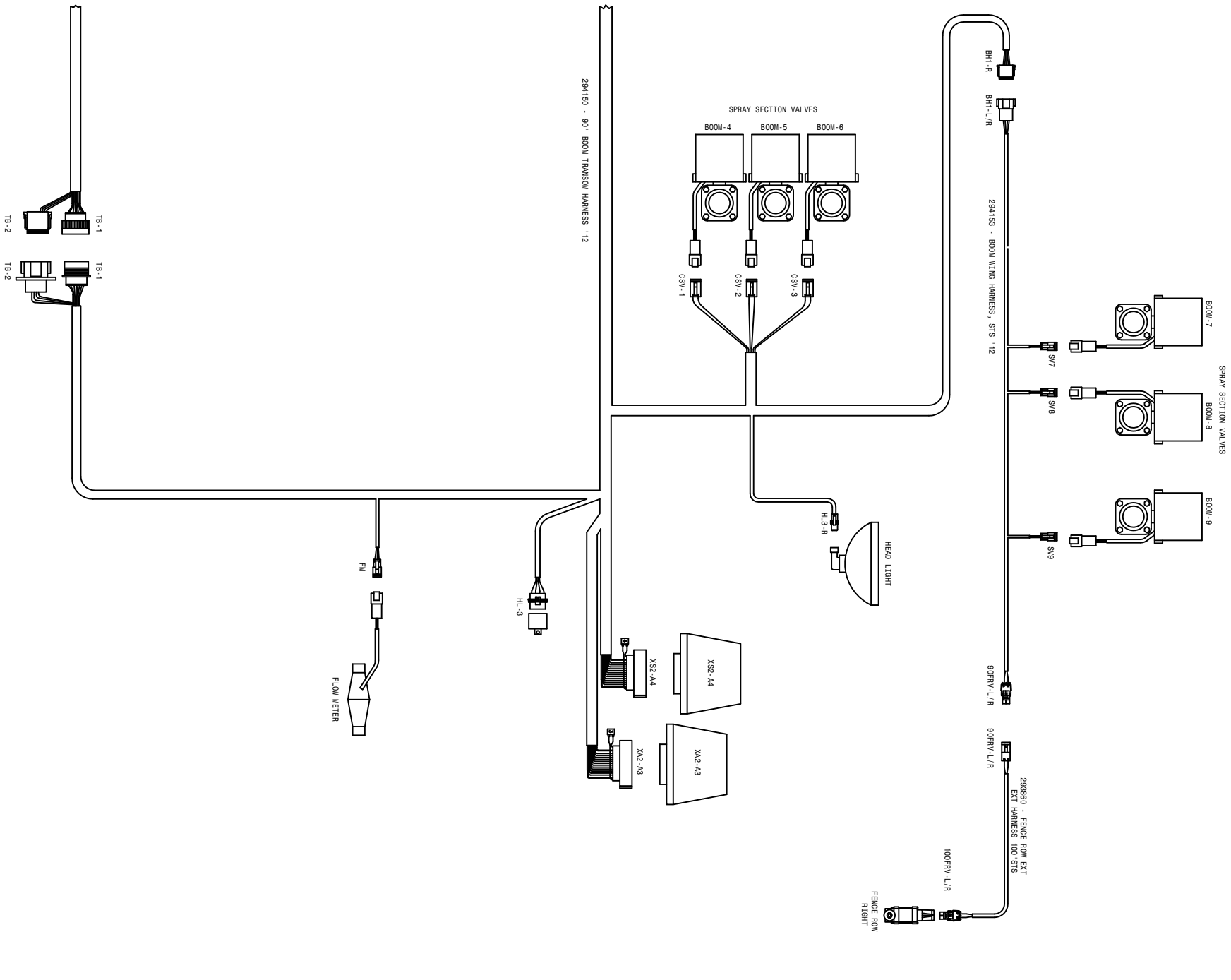
120' ALUM BOOM HYDRAULIC DIAGRAM STS 2012
REFERENCE DRAWING NO. 499252

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	3	606347	PRESSURE TRANSDUCER, 7500PSI	31	1	618806	HYD CPLR, MALE #12, 7/8FOR
2	1	606510	FOLD CTRL VALVE,	32	1	618807	HYD CPLR, FEM #12, 3/4FOR
3	1	606456	NORAC HYD VALVE (449660D)	33	1	618241	3/4MJIC-90-3/4MOR LBO
4	2	621626	HYD CYL, 1.50-16.00-1.00	34	1	611128	7/8MJIC-90-7/8MOR LBO
5	2	621640	HYD CYL, 3.25 X 16.00 X 1.63	35	1	167090	LH HYD CYL, OUTER FOLD 120'A112
6	2	621642	HYD CYL, 3.00 X 9.00 X 1.38	36	1	617008	06-451TC-.06FJX-.08FJX-32
7	1	167091	RH HYD CYL, OUTER FOLD 120'A112	37	2	616517	04-451TC-.06FJX-.06FJX-272
8	11	618574	7/8MJIC-3/4MOR ADPTR	38	2	616119	04-451TC-.06FJX-.06FJX-175
9	2	621636	HYD CYL, 3.50X 19.75X1.75-W/SEN	39	1	616349	06-451TC-.06FJX-.06FJX-47
10	2	470114	BREATHER FILTER VENT, 1/4 NPT	40	1	616585	06-451TC-.06FJX-.06FJX90-62
11	4	470444	ACCUMULATOR, 30CI 1508 PSI	41	1	616351	06-451TC-.06FJX-.06FJX-60
12	1	611125	3/4MJIC-3/4MOR ADPTR	42	2	616646	06-451TC-.06FJX-.06FJX45-106
13	16	618119	9/16MJIC-90-9/16MOR LBO	43	1	617005	04-451TC-.06FJX-.06FJX90-27
14	6	618126	9/16MJIC-9/16MOR ADPTR	44	1	616580	06-451TC-.06FJX-.06FJX90-34
15	1	618440	9/16MJIC-90-9/16MOR EX LG LBO	45	1	617006	06-451TC-.06FJX-.06FJX90-25
16	3	618444	9/16MOR RUN TEE-9/16MJIC	46	2	616875	06-451TC-.06FJX-.06FJX90-171
17	1	618451	3/4FJIC SW RUN TEE-3/4MJIC	47	1	616593	06-451TC-.06FJX-.06FJX90-38
18	4	618618	9/16MJIC-90-9/16FJIC SWIV LBO	48	1	616991	06-451TC-.06FJX-.06FJX-175
19	1	618494	3/4MOR RUN TEE-3/4MJIC	49	1	616974	06-451TC-.06FJX-.06FJX-133
20	2	618884	9/16MJIC-9/16MOR.042MFM0 ADPTR	50	2	618735	9/16JIC .062 ORIFICE ADPTR
21	1	618902	9/16MJIC-45-7/16MOR ADPTR	51	2	616866	04-451TC-.06FJX-.06FJX90-178
22	4	618425	9/16MJIC-45-9/16MOR LBO	52	1	616976	08-451TC-.08FJX-.08FJX-172
23	2	618123	9/16MOR-1/4FNPT ADPTR	53	2	616665	04-451TC-.06FJX-.06FJX-249
24	4	618739	9/16MJ-90-9/16MOR .065 CHK VLV	54	2	616563	06-451TC-.06FJX-.06FJX-141
25	2	618820	3/4MOR UNION	55	2	618668	9/16FJIC SWIV-9/16MOR ADPTR
26	2	618669	3/4FJIC SWIV-3/4MOR ADPTR	56	1	616975	08-451TC-.06FJX-.08FJX90L-28
27	2	618443	3/4MJIC-90-3/4MOR EX LG LBO	57	1	617007	08-451TC-.08FJX-.10FJX-172
28	2	618885	9/16MJIC-9/16MOR.055MOMF ADPTR	58	4	619010	9/16MJIC UNION
29	2	618689	9/16MJ-90-9/16MOR .042 CHK VLV	59	2	696131	BALL VALVE, 9/16FOR, 7250PSI
30	1	618804	HYD CPLR, MALE #14, 9/16FOR				

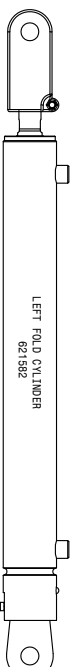


294188 - MAIN CAB ENTRY HARNESS, STS 13
SHEET 5 OF 5

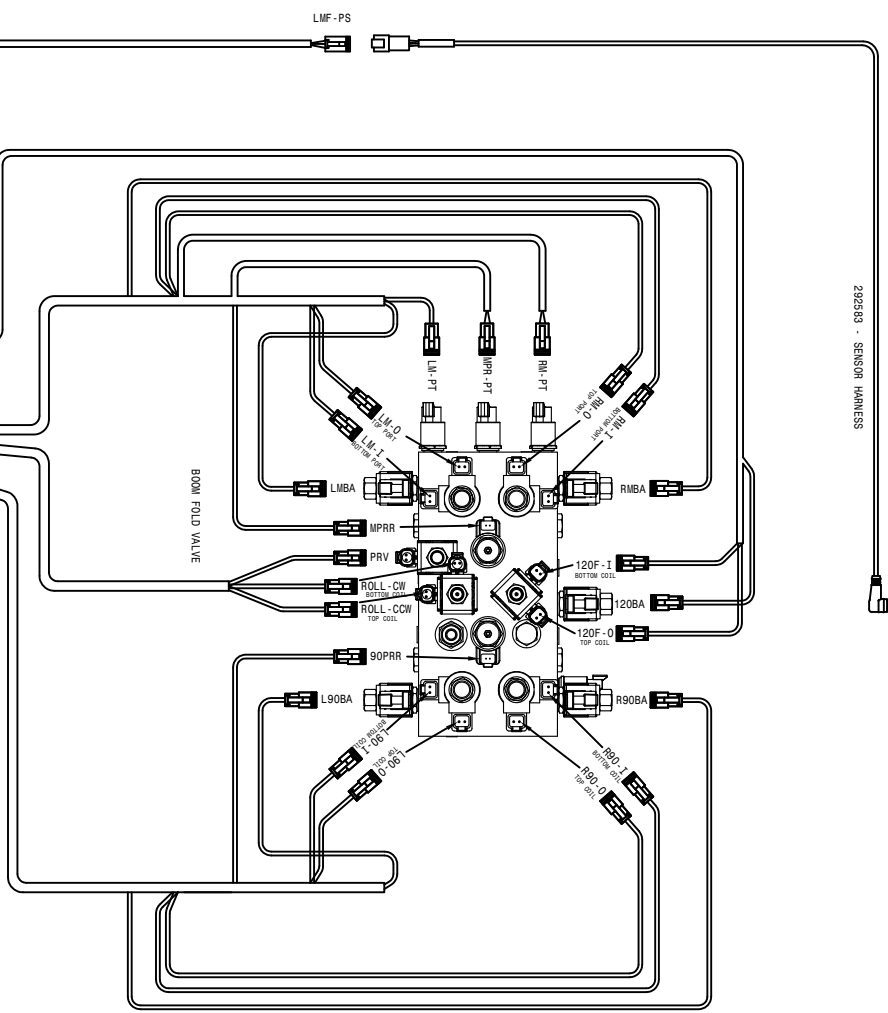




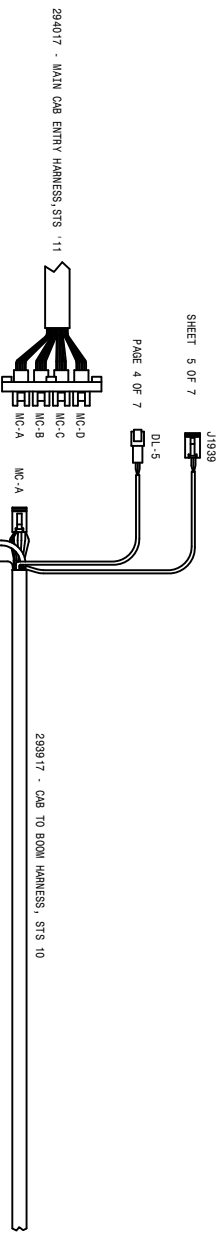
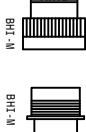
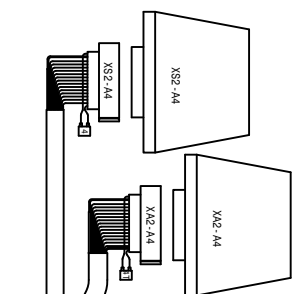
12-20-11 DMT
STS 90' / 100' BOOM WINGING DIAGRAM '13
 SHEET 1 OF 8
 REVISION DATE: **499254**



292583 - SENSOR HARNESS



294173 - AL 120FT BOOM LEFT MAIN HARNESS '12



SHEET 5 OF 7

PAGE 4 OF 7

DL-5

294017 - MAIN CAB ENTRY HARNESS, STS '11

MC-D

MC-C

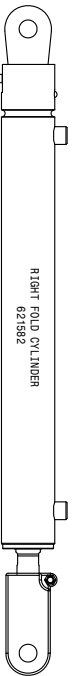
MC-B

MC-A

LFH1-2

GROUND

293917 - CAB TO BOOM HARNESS, STS 10



SHEET 2 OF 2

BB

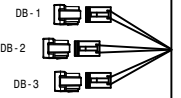
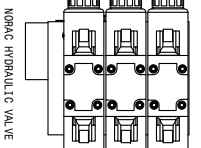
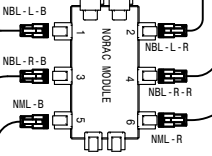
291994 - SENSOR HARNESS,

RMF-PS

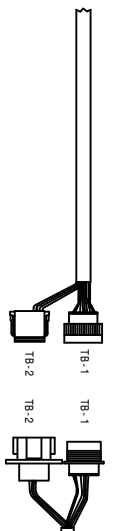
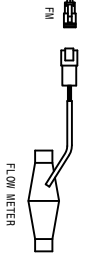
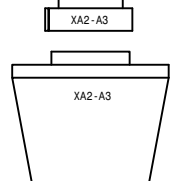


291994 - SENSOR HARNESS, MICRO-DEUTSCH

ML-PX

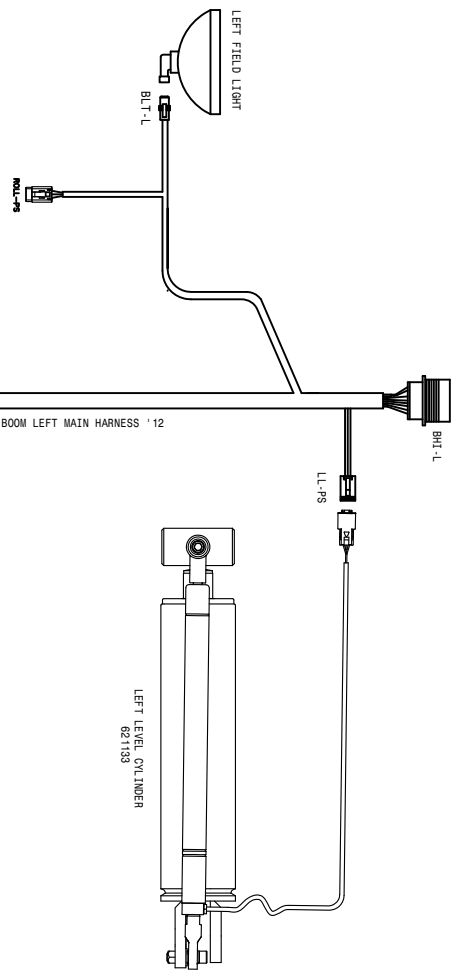
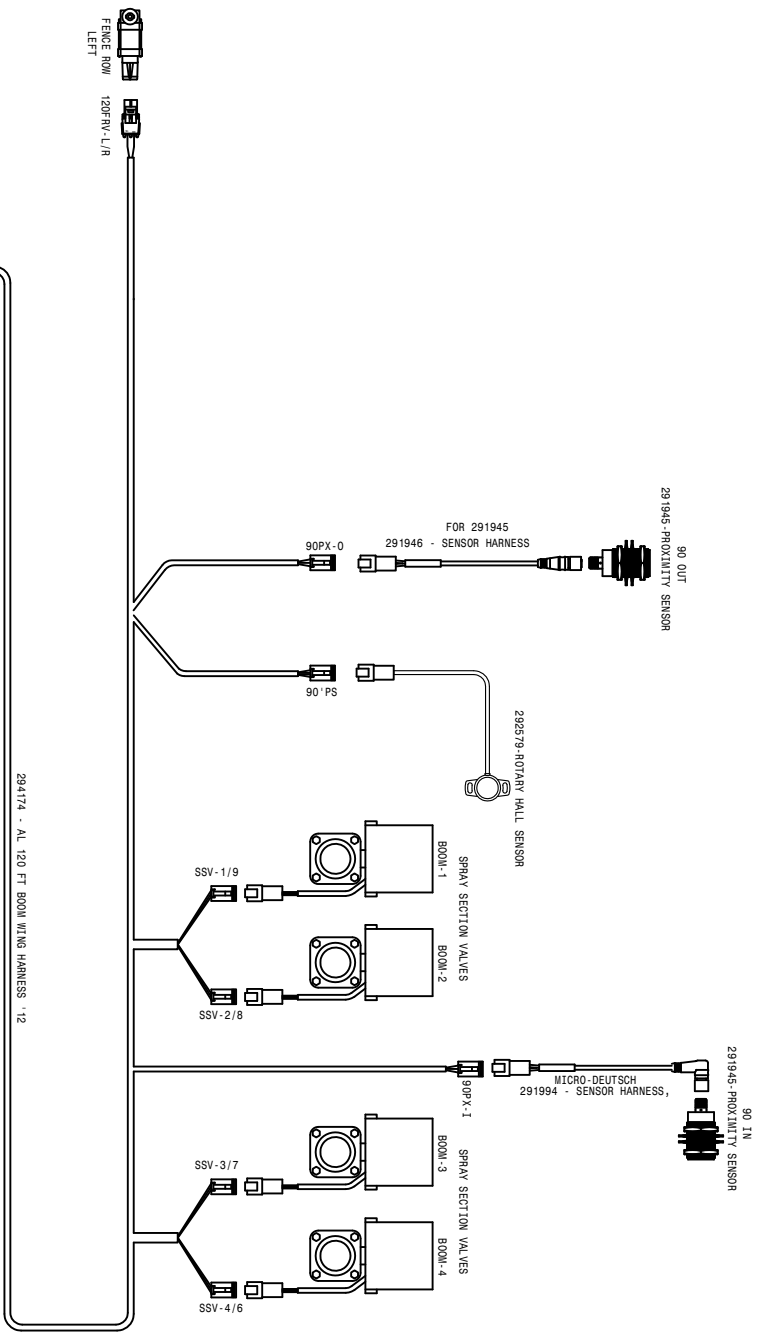


294172 - AL 120FT ROOM RIGHT MAIN HARNESS '12

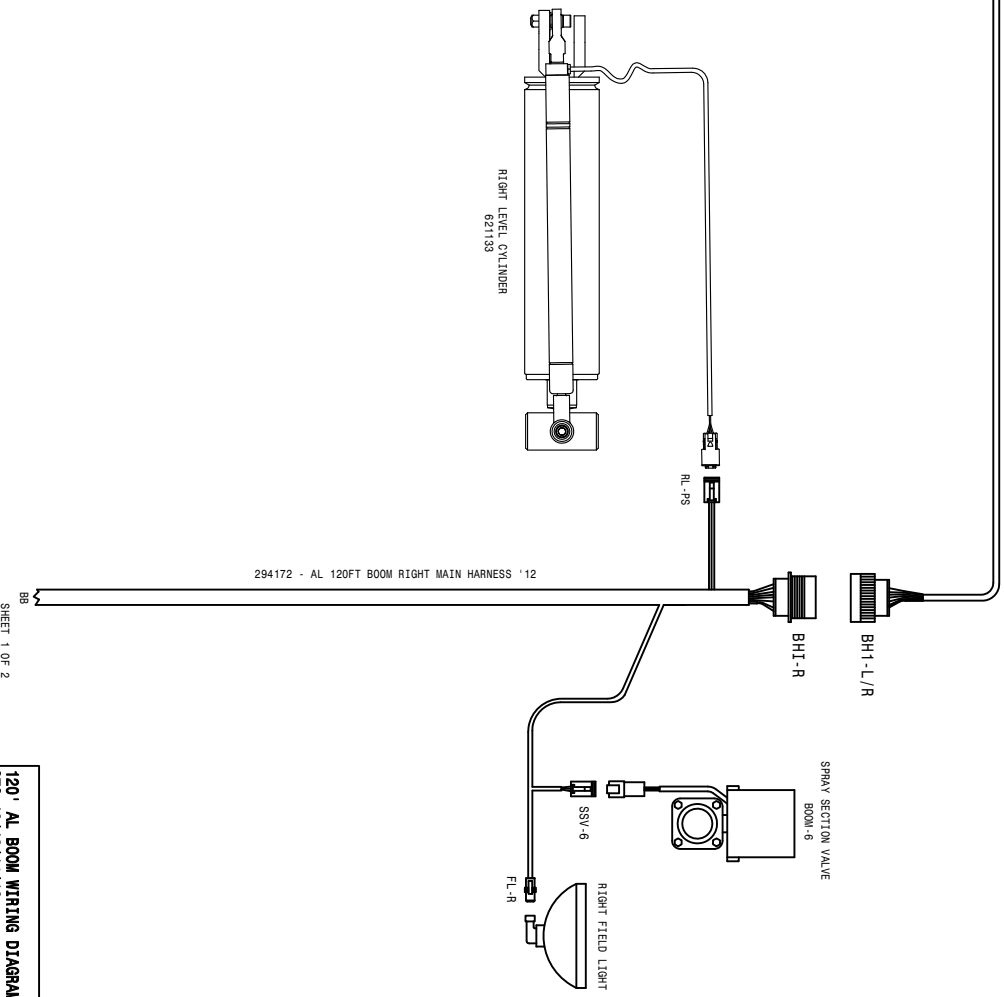
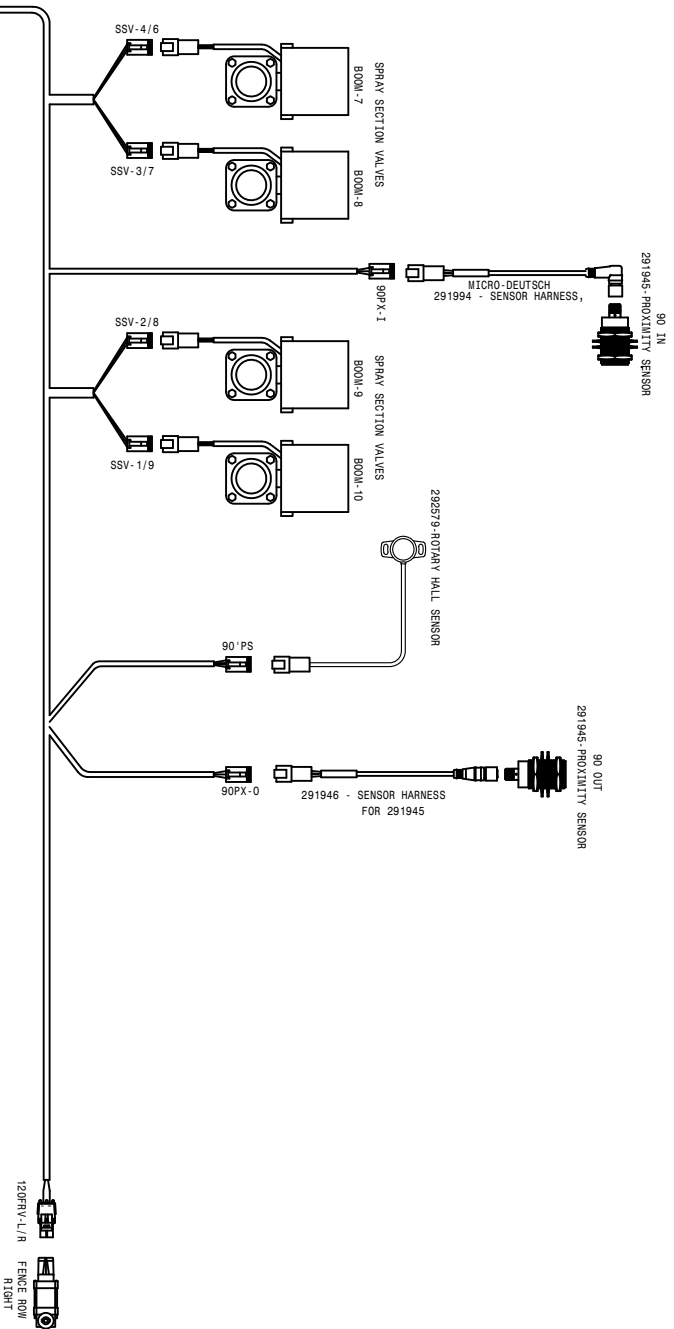


120' AL BOOM WIRING DIAGRAM '12
SFS 10/12/14/16
SHEET 1 OF 2
REVISION DATE: 2/29/12
499253

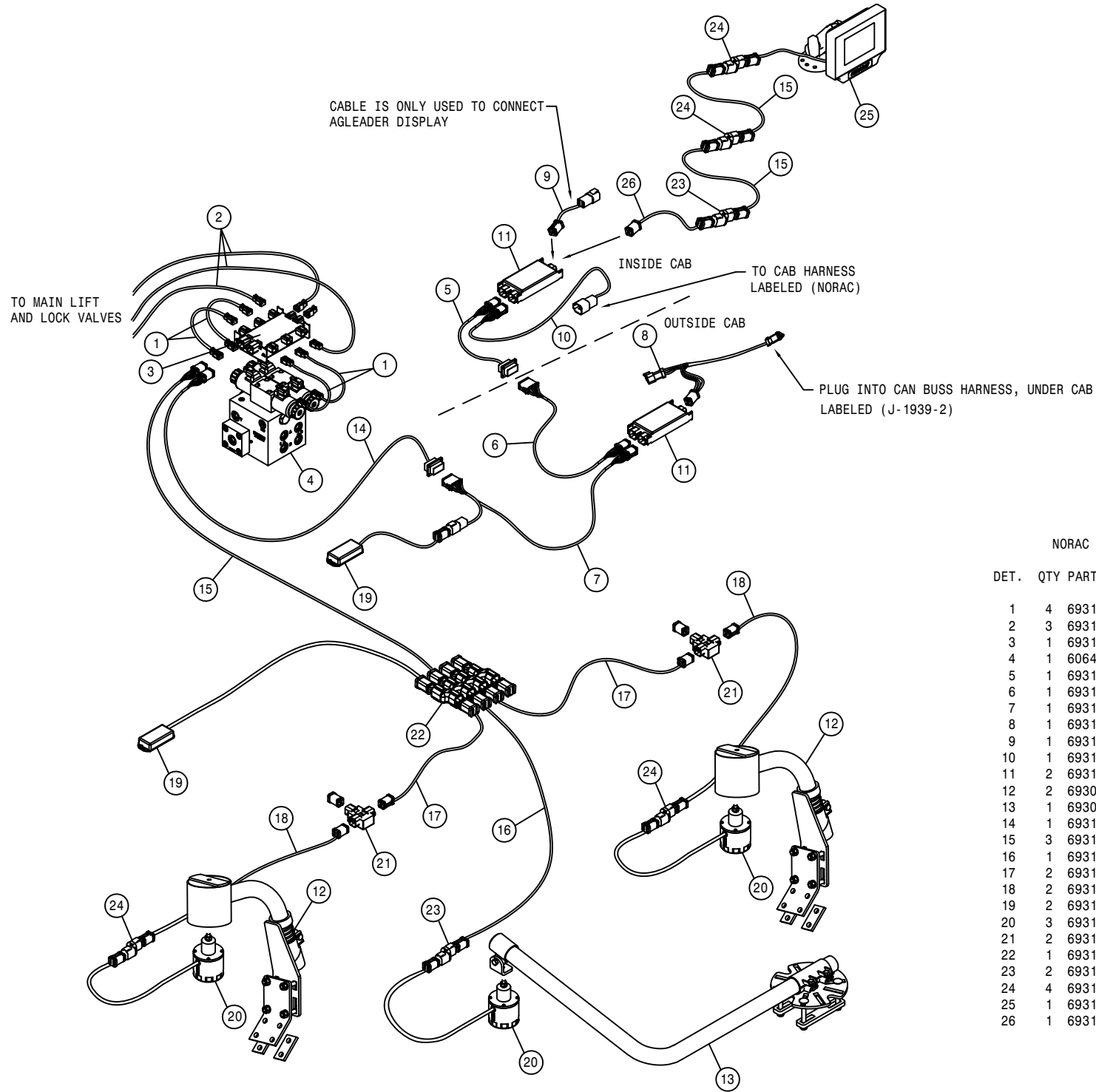
08-26-11 DWT



SHEET 1 OF 2

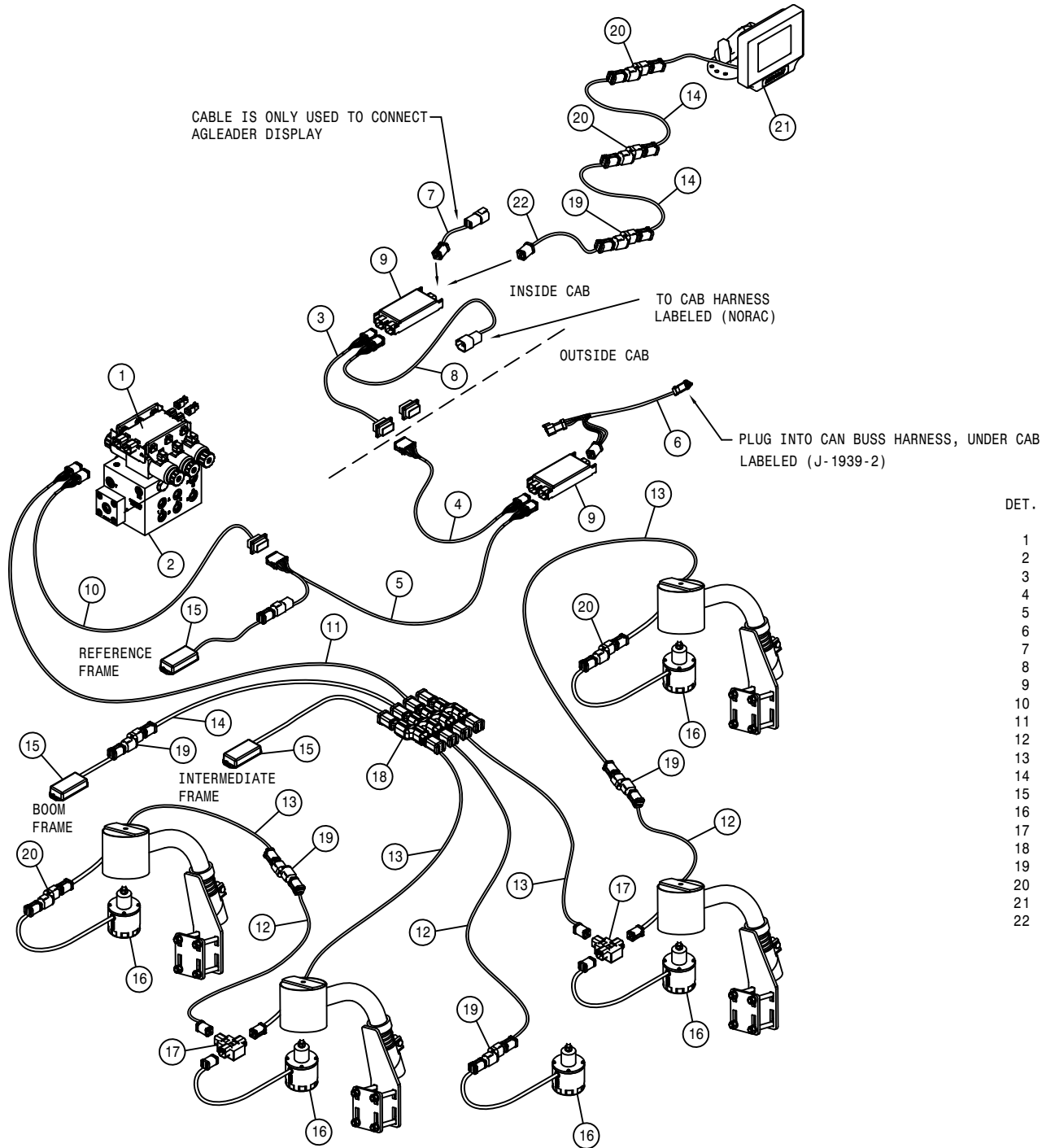


08-26-11 OUT
120' AL BOOM WIRING DIAGRAM '12
 S/S 10/12/14/16
 SHEET 2 OF 2
 REVISION DATE: 2/29/12
499253



NORAC WIRING DIAGRAM 90' / 100'

DET.	QTY	PART NO.	DESCRIPTION
	1	4	693132 NORAC CABLE,UC5 INTRFC TILT DT
	2	3	693156 NORAC CABLE,UC5 INTRFC TLT DT
	3	1	693133 NORAC MODULE,UC5 VALVE
	4	1	606455 NORAC HYD VALVE (44963D)
	5	1	693142 NORAC CABLE,STS IN-CAB CANBUS
	6	1	693141 NORAC CABLE,STS UNDER-CAB,36"
	7	1	693138 NORAC CABL,CHAS-BM DISCNT 152"
	8	1	693140 NORAC CANBUS INTERFCE CBL,36"
	9	1	693159 UC5 NETWRK ADPTR,CAN LINE ONLY
	10	1	693143 NORAC CABLE, STS POWER
	11	2	693139 NORAC MODULE,UC5 CONTROL
	12	2	693068 SENSOR MTG BRKT, NORAC
	13	1	693072 MAIN LIFT SENSOR MT,UC4+,NORAC
	14	1	693135 NORAC CABLE,STS BM DISCNT 150"
	15	3	693150 NORAC CBL,UC5 NETWORK,1 METER
	16	1	693161 NORAC CABLE,UC5 NETWORK,5M
	17	2	693145 NORAC CABLE,UC5 NETWORK,10M
	18	2	693162 NORAC CABLE,UC5 NETWORK,7M
	19	2	693165 NORAC UC5 ROLL SENSOR
	20	3	693113 SENSOR,NORAC UC5 ULTRASONIC
	21	2	693147 NORAC UC5 NETWORK CPLR,3-WAY
	22	1	693131 NORAC UC5 NETWORK CPLR,8-WAY
	23	2	693128 NORAC UC5 NETWORK 2-WAY CPLR
	24	4	693146 NORAC UC5 2-WAY CPLR W/TRMNTOR
	25	1	693122 ECHO DISPLAY KIT,NORAC,STS '10
	26	1	693130 NORAC CABLE,UC5 NETWORK,0.5M



NORAC WIRING DIAGRAM 120'

DET.	QTY	PART NO.	DESCRIPTION
1	1	693133	NORAC MODULE,UC5 VALVE
2	1	606456	NORAC HYD VALVE (44960D)
3	1	693142	NORAC CABLE,STS IN-CAB CANBUS
4	1	693141	NORAC CABLE,STS UNDER-CAB,36"
5	1	693138	NORAC CABL,CHAS-BM DISCNT 152"
6	1	693140	NORAC CANBUS INTERFCE CBL,36"
7	1	693159	UC5 NETWRK ADPTR,CAN LINE ONLY
8	1	693143	NORAC CABLE, STS POWER
9	2	693139	NORAC MODULE,UC5 CONTROL
10	1	693135	NORAC CABLE,STS BM DISCNT 150"
11	1	693130	NORAC CABLE,UC5 NETWORK,0.5M
12	3	693127	NORAC CABLE,UC5 NETWORK,3METER
13	4	693145	NORAC CABLE,UC5 NETWORK,10M
14	3	693150	NORAC CBL,UC5 NETWORK,1 METER
15	3	693165	NORAC UC5 ROLL SENSOR
16	5	693113	SENSOR,NORAC UC5 ULTRASONIC
17	2	693147	NORAC UC5 NETWORK CPLR,3-WAY
18	1	693131	NORAC UC5 NETWORK CPLR,8-WAY
19	5	693128	NORAC UC5 NETWORK 2-WAY CPLR
20	4	693146	NORAC UC5 2-WAY CPLR W/TRMNTOR
21	1	693122	ECHO DISPLAY KIT,NORAC,STS '10
22	1	693130	NORAC CABLE,UC5 NETWORK,0.5M

Notes:

