

# BOOMS



## PARTS MANUAL FOR 90', 100', 120' AND 132' BOOMS

### HAGIE MANUFACTURING COMPANY

721 CENTRAL AVENUE WEST  
BOX 273  
CLARION, IOWA 50525-0273

COVERS BOOM SERIAL NUMBERS:

12-14 493612  
02-15, 05-15  
02-16, 03-17, 01-18,  
06-18

U75031515001-200

U75061515001-200

U75111515001-200

U75131515001-200

U75161515001-200

To obtain the most current parts manual for your machine,  
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## BOOM IDENTIFICATION

Each Hagie boom is identified by means of a serial number. This serial number denotes the model, the year in which it was built, and the number of the toolbar. To ensure prompt, efficient service when ordering parts or requesting service repairs from Hagie Manufacturing Company, record the serial number in the space provided below.

**NOTE:** Reference to left hand and right hand used throughout this manual refers to the position when seated in the operator's seat facing forward.

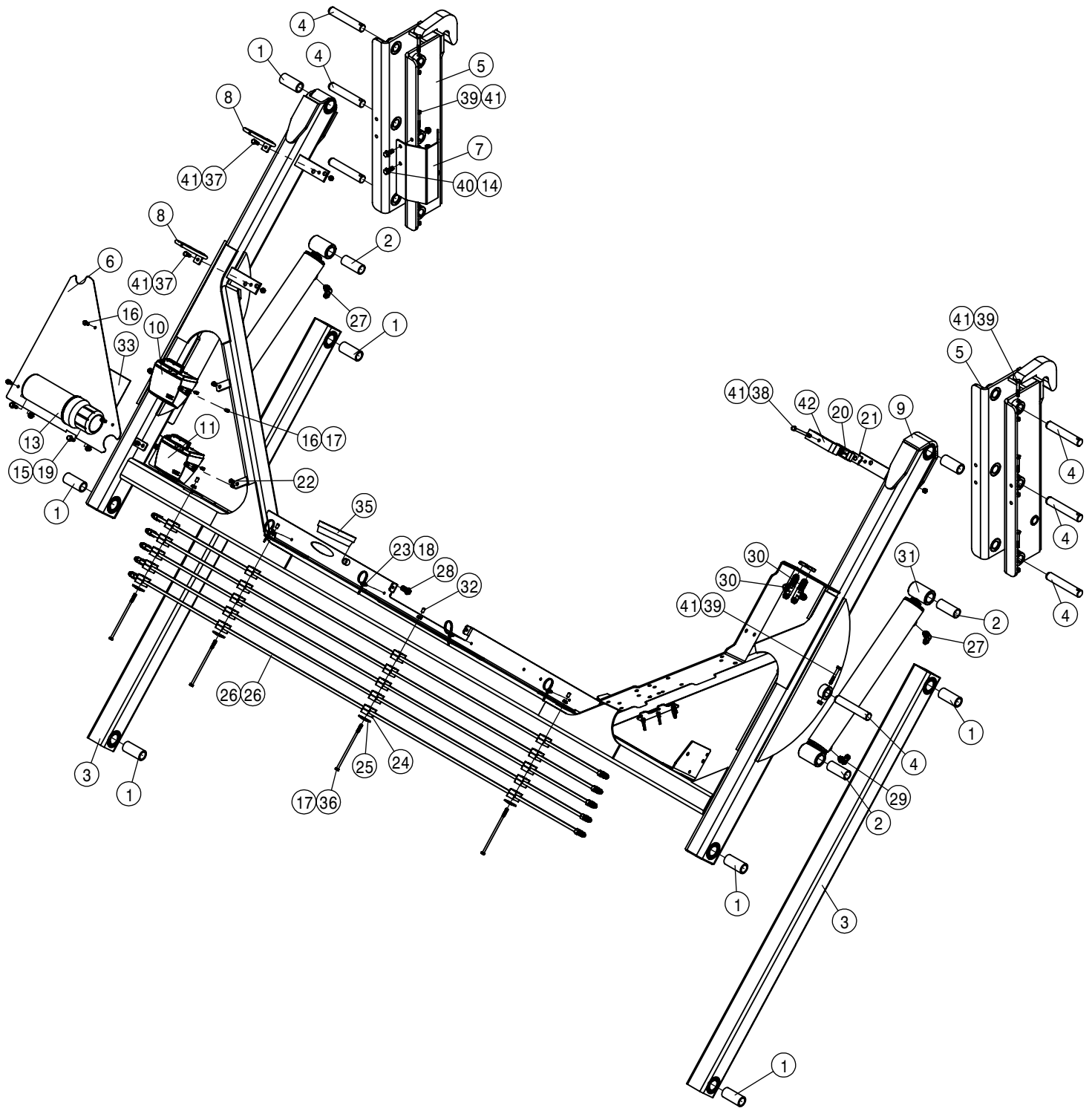
*This manual is not intended to be a complete guide for machine maintenance and repairs. If you are not properly trained to perform service on this machine, contact Hagie Customer Support for assistance. Improper maintenance or repair may result in property damage, personal injury, or death.*

BOOM SERIAL NUMBER

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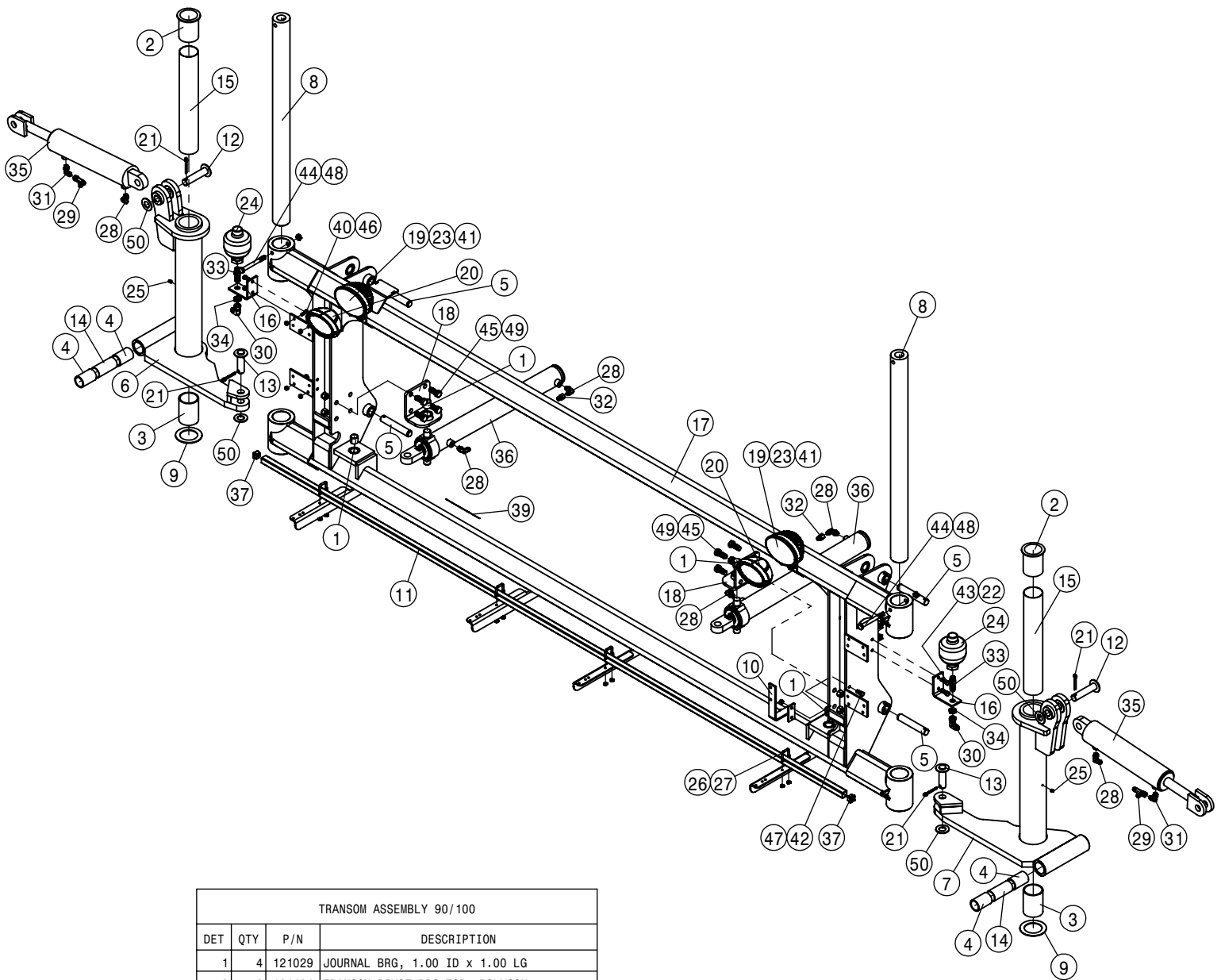
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LIFTARM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	8	121107	LIFTARM BEARING, POLYGON
2	4	121109	LIFT CYL BRG, 3.13 POLYGON
3	2	164450	LWR LIFTARM WLD
4	8	164452	LIFT ARM MT PIVOT PIN
5	2	164800	QUICK ATTACH PLT WLD STS 04
6	1	165006	UPPER LIFTARM BUSS COVER, STS 05
7	1	165742	RECEPTACLE MT, STS BOOMS '12
8	2	165954	HOSE RING WLD
9	1	165997	UPPER LIFTARM WLD, STS '14
10	1	292016	IQAN-XA2 MODULE
11	1	292017	IQAN-XS2 MODULE
NS	1	294237	MAIN HARNESS, 90' BOOM STS '14
13	1	344017	MANUAL CANISTER W/NEOPREN SEAL
14	2	470087N	3/8UNC HEX SERR FLG NUT YZ

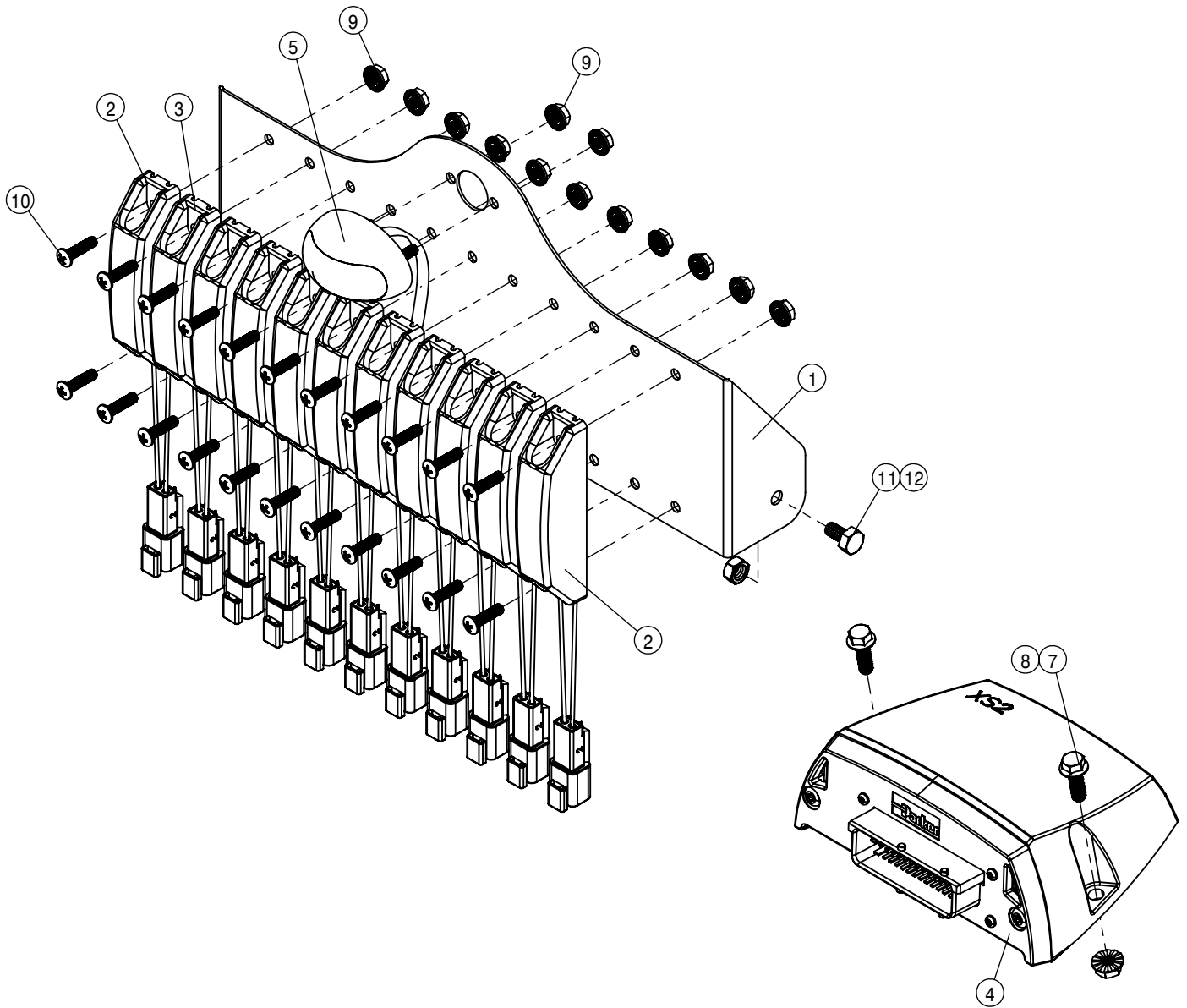
LIFTARM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
15	2	470113N	5/16UNC SERR FLG LOCK NUT SS
16	7	470118	1/4 UNC X 3/4 SER FLG BOLT
17	8	470121	1/4 UNC SERR FLG LOCK NUT
18	7	470154	CABLE TIE, 11.00" BLK NYLON
19	2	470234N	5/16UNC X 1" SERR FLG BOLT SS
20	1	470274	TUBE CLAMP BODY, .750-.750
21	1	470281	STACK BOLT SAFETY LOCK PLATE
22	3	470380N	1/4-20 NUTSERT .027-1.65 STL
23	7	470432	PUSH MT BASE FOR PLASTIC TIE
24	20	470473	TUBE CLAMP, HVY DTY .375-.375
25	4	470474	COVER PLATE FOR 470473 CLAMP
26	10	615852	UPPER LIFT ARM TUBE, STS LS
27	2	618119	9/16MJIC-90-9/16MOR LBO
28	1	618556	1/4NPT-90 1/2 HOSE BARB POLY

LIFTARM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
29	2	618689	9/16MOR-90-9/16MJ .042 CHK VLV
30	2	618749	3/4MJIC BLKHD RUN TEE
31	2	621556	2.50 X 18.00 X 1.50 LIFT CYL
32	4	629770	CAPPLUGS CAP, .234 X .500 VINYL
33	1	650393	DECAL, BM MODULE STS10/12, 90' '12
NS	1	650428	DECAL SHEET, 90' BOOM
35	1	690359	PRESSURE GA GLYCERI 100 PSI
36	4	900032	1/4UNC X 6 1/2" HEX BOLT
37	2	900065N	5/16UNC X 1" HEX BOLT SS
38	1	900076	5/16UNC X 4" HEX BOLT
39	8	900086	5/16UNC X 2 1/4 HEX BOLT
40	2	900129N	3/8UNC X 1" SERR FLANGE BOLT
41	11	914002	5/16UNC HEX STOVER NUT
42	1	A51729	TUBE CLAMP (PAIR)

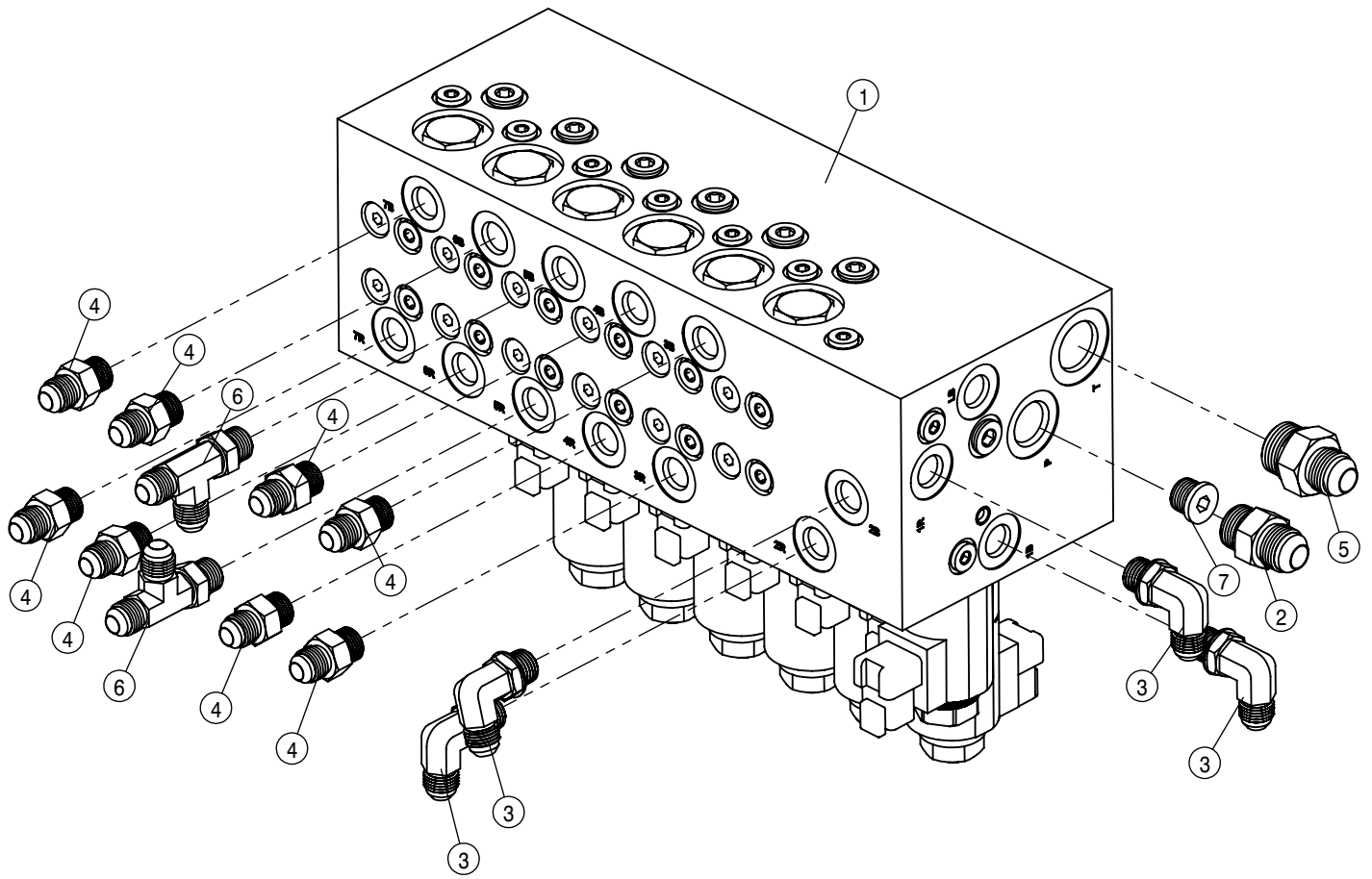


TRANSCOM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	4	121029	JOURNAL BRG, 1.00 ID x 1.00 LG
2	2	121101	TRANSCOM PIVOT BRG, TOP POLYGON
3	2	121103	TRANSCOM PIVOT BRG, LWR POLYGON
4	4	121104	BOOM PIVOT BEARING, POLYGON
5	4	164452	LIFT ARM MT PIVOT PIN
6	1	164469	RH TRANSCOM PIVOT WLD
7	1	164470	LH TRANSCOM PIVOT TUBE WLD
8	2	164481	INNER TRANSCOM PIVOT TUBE
9	2	164482	TRANSCOM PIVOT WASHER
10	1	164485	HOSE SUPPORT WLD
11	1	164491	1.000 SQ X 16GA X 124.00 C/L
12	2	164496	LEVEL CYL PIN WLD, TRANSCOM END
13	2	164498	BOOM FOLD CYL PIN WLD
14	2	164641	BOOM PIVOT BRG SPACER
15	2	164642	TRANSCOM PIVOT BRG SPACER
16	2	165027	ACCUMULATOR MT, STSLS
17	1	165825	TRANSCOM WLD STS12 '10
18	2	165828	FOLD CYL TRUNNION MT WLD 10
19	2	292612	WORKLIGHT - LED FLOOD STS'14
20	2	292614	WORK LIGHT, HALOGEN FLOOD '14
21	4	470012	5/16 X 2 COTTER PIN
22	4	470087	3/8UNC HEX SERR FLANGE NUT
23	2	470087N	3/8UNC HEX SERR FLG NUT YZ
24	2	470444	ACCUM, DIAPHRAGM, 30CI 1508 PSI
25	2	471005	GREASE ZERK, 1/4-28 X 1/2
26	8	473842	1/4UNC LOCK NUT, CNTR POINT
27	4	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
28	6	618119	9/16MJIC-90-9/16MOR LBO

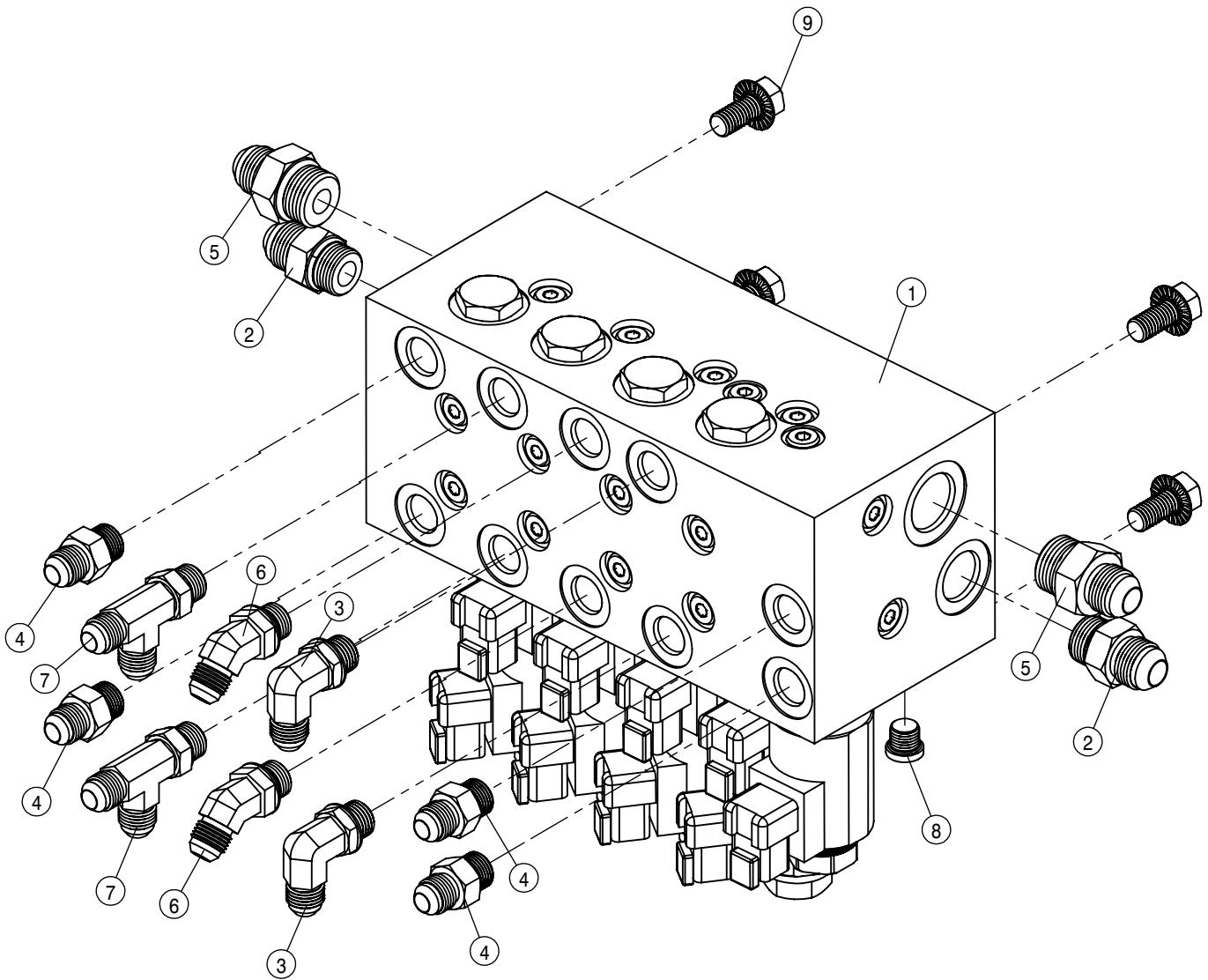
TRANSCOM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
29	2	618486	9/16FJIC SW RUN TEE-9/16MJIC
30	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO
31	2	618689	9/16MOR-90-9/16MJ .042 CHK VLV
32	2	618733	9/16JIC .042 ORIFICE ADPTR
33	2	618743	3/4MOR-3/4MJIC BLKHD, .040 ORF
34	2	618744	3/4 THD BLKHD LOCK NUT
35	2	621558	3.00 X 11.00 X 1.38 LEVEL CYL.
36	2	621560	2.50 X 21.00 X 1.38 FOLD CYL.
37	2	629727	FINISH PLUG 1" SQ 16 GA
NS	1	650428	DECAL SHEET, 90' BOOM
39	1	650458	DECAL, PATENTS, HAGIE BOOM/DTB
40	4	900065	5/16UNC X 1" HEX BOLT
41	2	900128N	3/8UNC X 3/4 SER FLANGE BOLT
42	2	900129	3/8UNC X 1" HEX BOLT
43	4	900130	3/8UNC X 1 1/4 HEX BOLT
44	2	900284	1/2UNC X 4 3/4 HEX BOLT
45	8	900333	5/8UNC X 1 1/2 HEX BOLT
46	4	914002	5/16UNC HEX STOVER NUT
47	2	914004	3/8UNC HEX STOVER NUT
48	2	914008	1/2 UNC HEX STOVER NUT
49	8	914010	5/8UNC HEX STOVER NUT
50	4	920008	1" SAE FLAT WASHER



SECTION INDICATOR LIGHTS 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	165994	BOOM INDICATOR LGT MT
2	2	291325	AMBER LAMP, 4" DT DEUTSCH
3	9	291326	RED LAMP, 4" DT DEUTSCH
4	1	292017	IQAN-XS2 MODULE
5	1	293817	MASTER SPRAY LIGHT, STS 05
NS	1	294246	HARNES-SPRAY SEC LIGHT STS' 14
7	2	470118	1/4 UNC X 3/4 SER FLG BOLT
8	2	470121N	1/4 UNC SERR FLG LOCK NUT SS
9	24	470175	10-32 SERR FLANGE NUT
10	24	472235	10-32 X 3/4 PHIL HD MACH SCR
11	2	900000	1/4UNC X 1/2 HEX BOLT
12	2	910000	1/4UNC HEX NUT

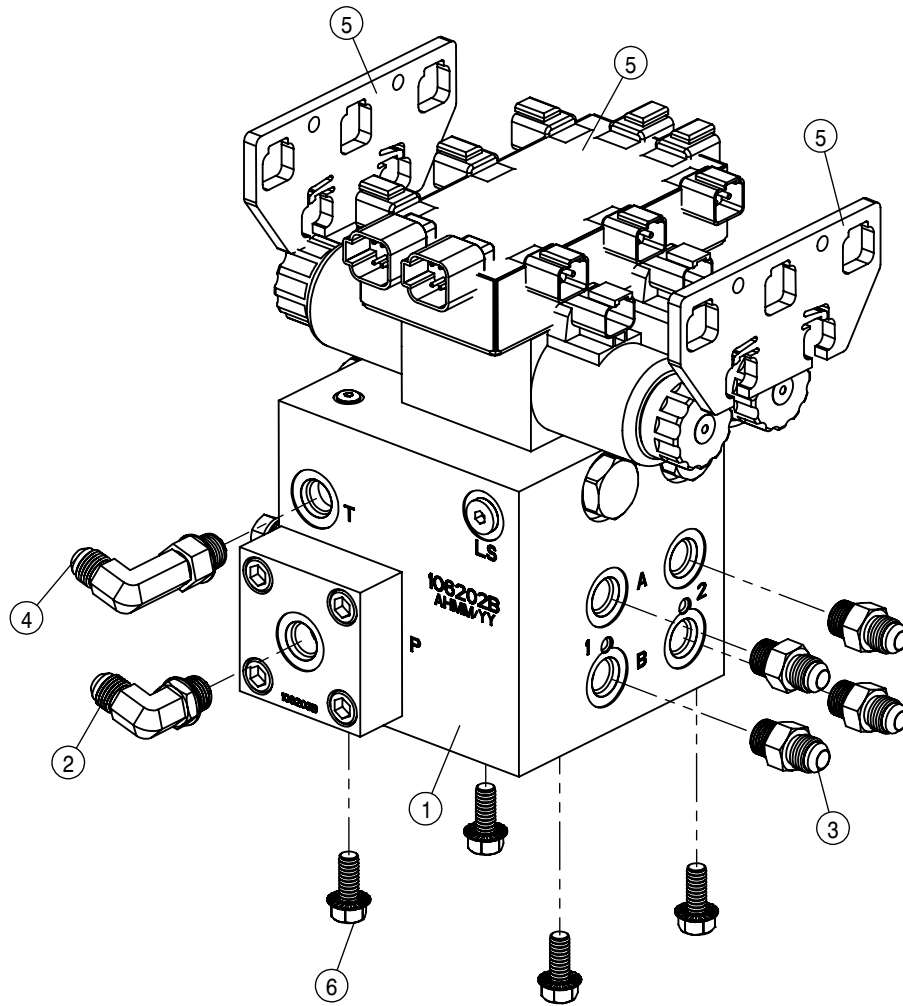


BOOM MANIFOLD ASSEMBLY 90/100				
DET	QTY	P/N	DESCRIPTION	
1	1	606272	VALVE, LOAD SENSE BOOM SAUER	
2	1	611125	3/4MJIC-3/4MOR ADPTR	
3	4	618119	9/16MJIC-90-9/16MOR LBO	
4	8	618126	9/16MJIC-9/16MOR ADPTR	
5	1	618327	3/4MJIC-7/8MOR ADPTR	
6	2	618444	9/16MOR RUN TEE-9/16MJIC	
7	1	618754	9/16 MOR PLUG, HEX SOCKET	

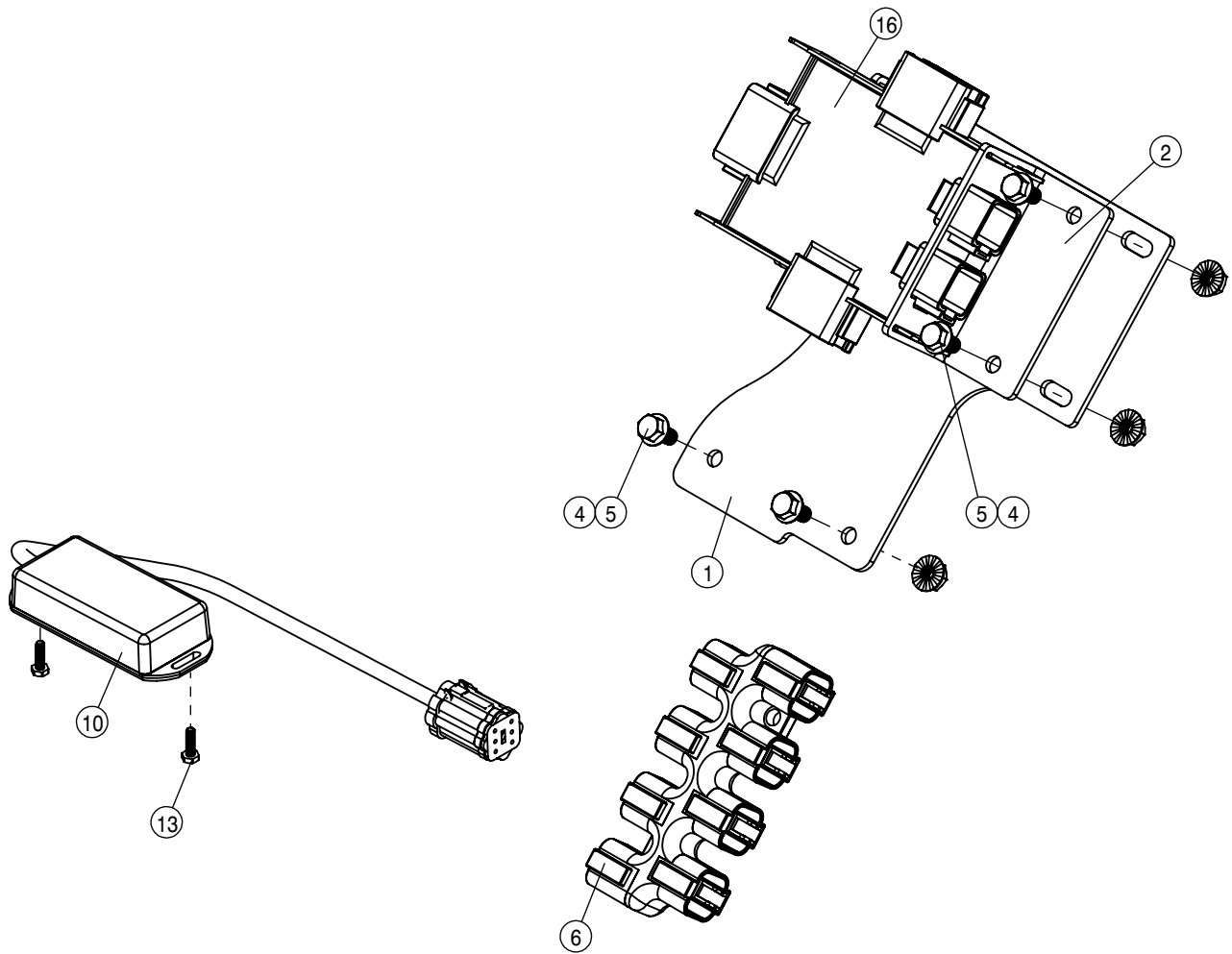


BOOM MANIFOLD ASSEMBLY-NORAC 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	606529	NORAC BOOM FOLD VALVE
2	2	611125	3/4MJIC-3/4MOR ADPTR
3	2	618119	9/16MJIC-90-9/16MOR LBO
4	4	618126	9/16MJIC-9/16MOR ADPTR
5	2	618327	3/4MJIC-7/8MOR ADPTR
6	2	618425	9/16MJIC-45-9/16MOR LBO
7	2	618444	9/16MOR RUN TEE-9/16MJIC
8	1	618753	7/16 MOR PLUG, HEX SOCKET
9	4	900128N	3/8UNC X 3/4 SER FLANGE BOLT

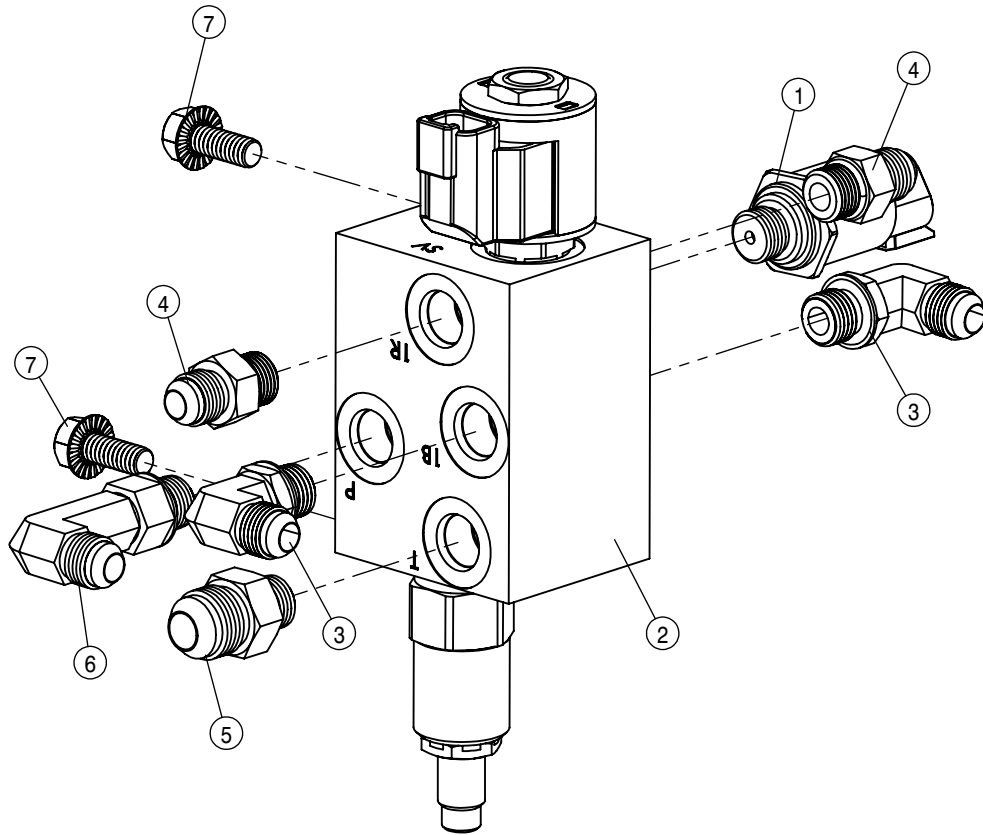




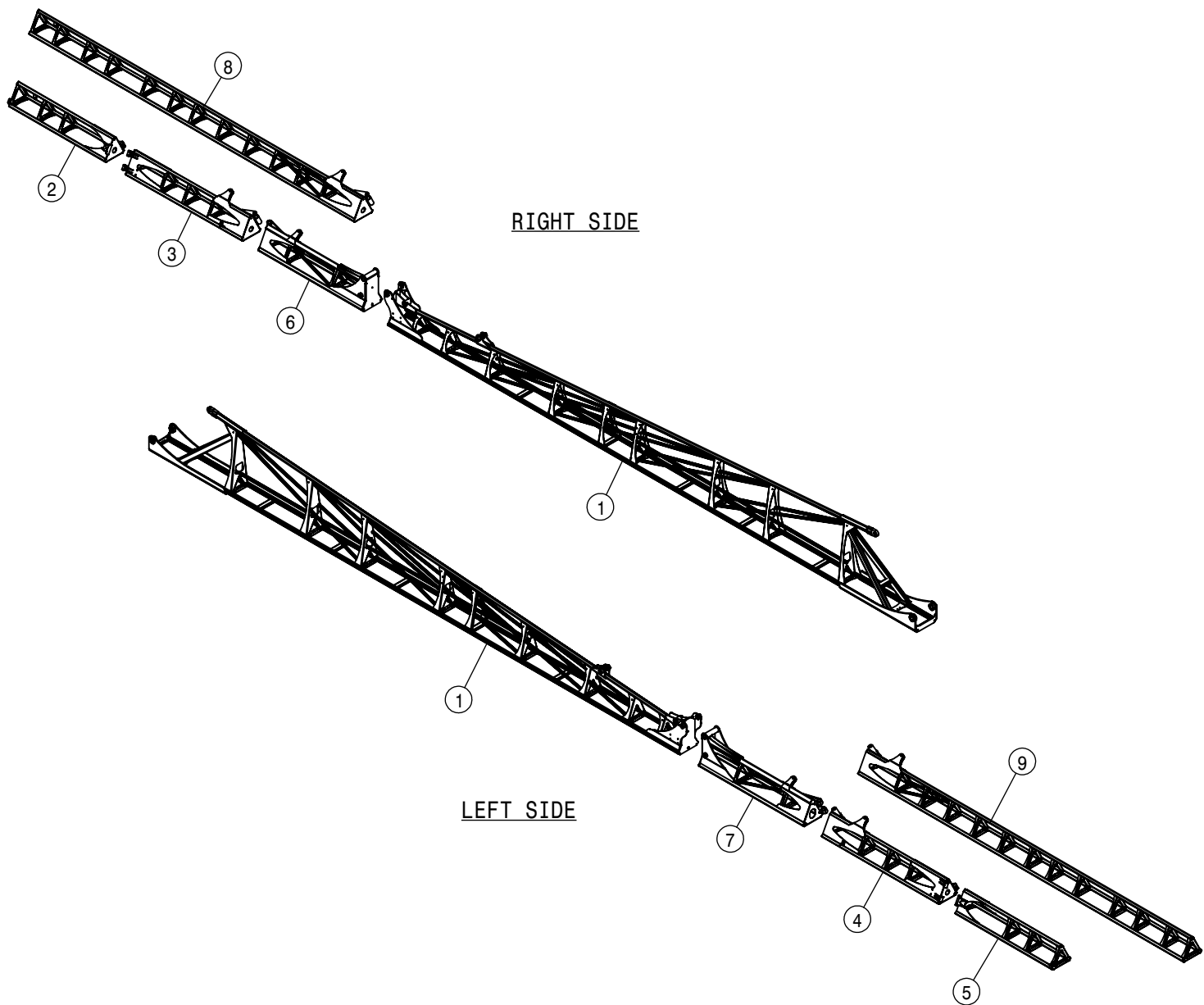
NORAC VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	606455	NORAC HYD VALVE (44963D)
2	1	618119	9/16MJIC-90-9/16MOR LBO
3	4	618126	9/16MJIC-9/16MOR ADPTR
4	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
5	1	693133	NORAC MODULE, UC5 VALVE
6	4	900064N	5/16UNC X 3/4" SER FLG BOLT SS



NORAC MODULE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	167178	UC5 MTG BRKT
2	1	167179	CLAMP UC5 BRKT
NS	1	294251	HARNESS-NORAC INPUT INTERFACE
4	4	470121	1/4 UNC SERR FLG LOCK NUT
5	4	470122	1/4 UNC X 1/2 SERR FLG BOLT
6	1	693131	NORAC UC5 NETWORK CPLR, 8-WAY
NS	1	693135	NORAC CABLE, STS BM DISCNT, 150"
NS	2	693145	NORAC CABLE, UC5 NETWORK, 10M
NS	1	693161	NORAC CABLE, UC5 NETWORK, 5M
10	1	693165	NORAC UC5 ROLL SENSOR
NS	2	693741	CABLE UC5 NETWORK 14 AWG 1M
NS	1	693742	INSTALLATION MANUAL UC5, STS
13	2	693743	MACH HEX SCREW SS 6-32X1/2 IN
NS	1	693749	UC5 CABLE, VALVE
NS	1	693750	UC5 INTERFACE CABLE
16	1	693751	NORAC MODULE, UC5 CONTROL
NS	1	693752	UC5 NETWORK 2 PIN PLUG
NS	5	693800	UC5 NETWORK 6 PIN PLUG
NS	1	693802	CABLE, UC5 VALVE LOCK
NS	2	693806	CABLE,UC5 12 AWG 7M



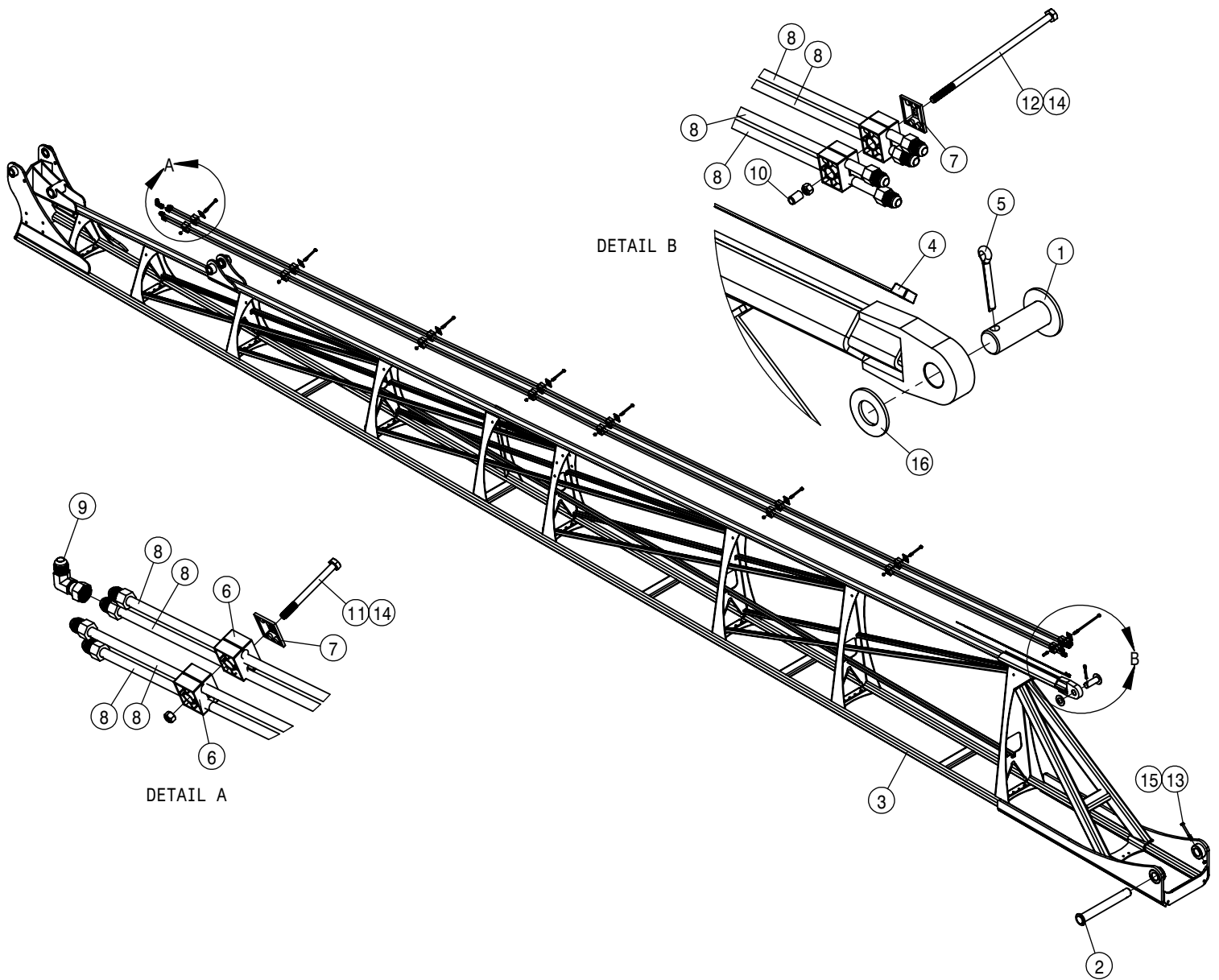
BREAKAWAY VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	606347	PRESSURE TRANSDUCER,7500PSI
2	1	607119	90/100 breakaway block
3	2	618119	9/16MJIC-90-9/16MOR LBO
4	2	618126	9/16MJIC-9/16MOR ADPTR
5	1	618360	3/4MJIC-9/16MOR ADPTR
6	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
7	2	900064N	5/16UNC X 3/4\"



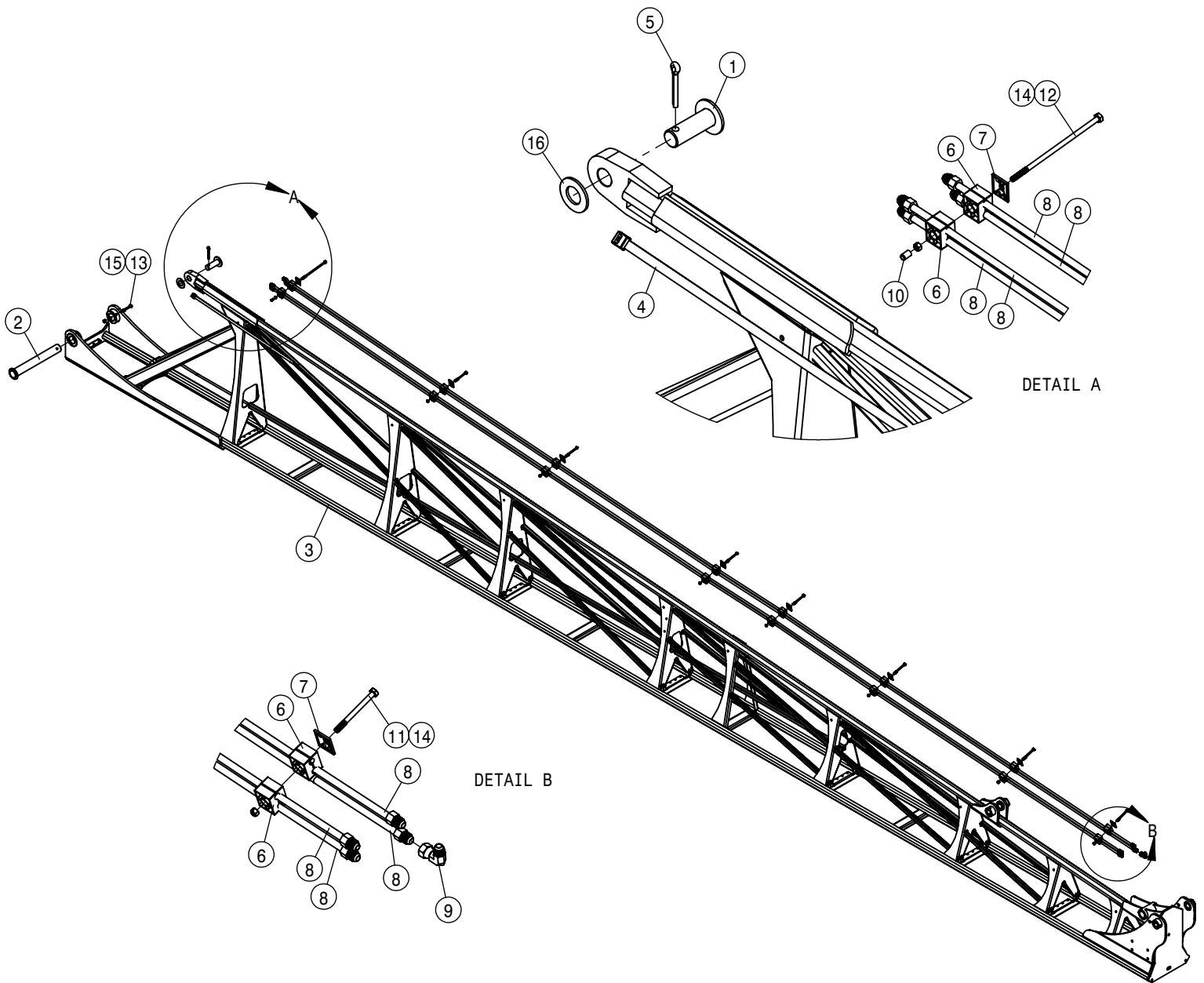
RIGHT SIDE

LEFT SIDE

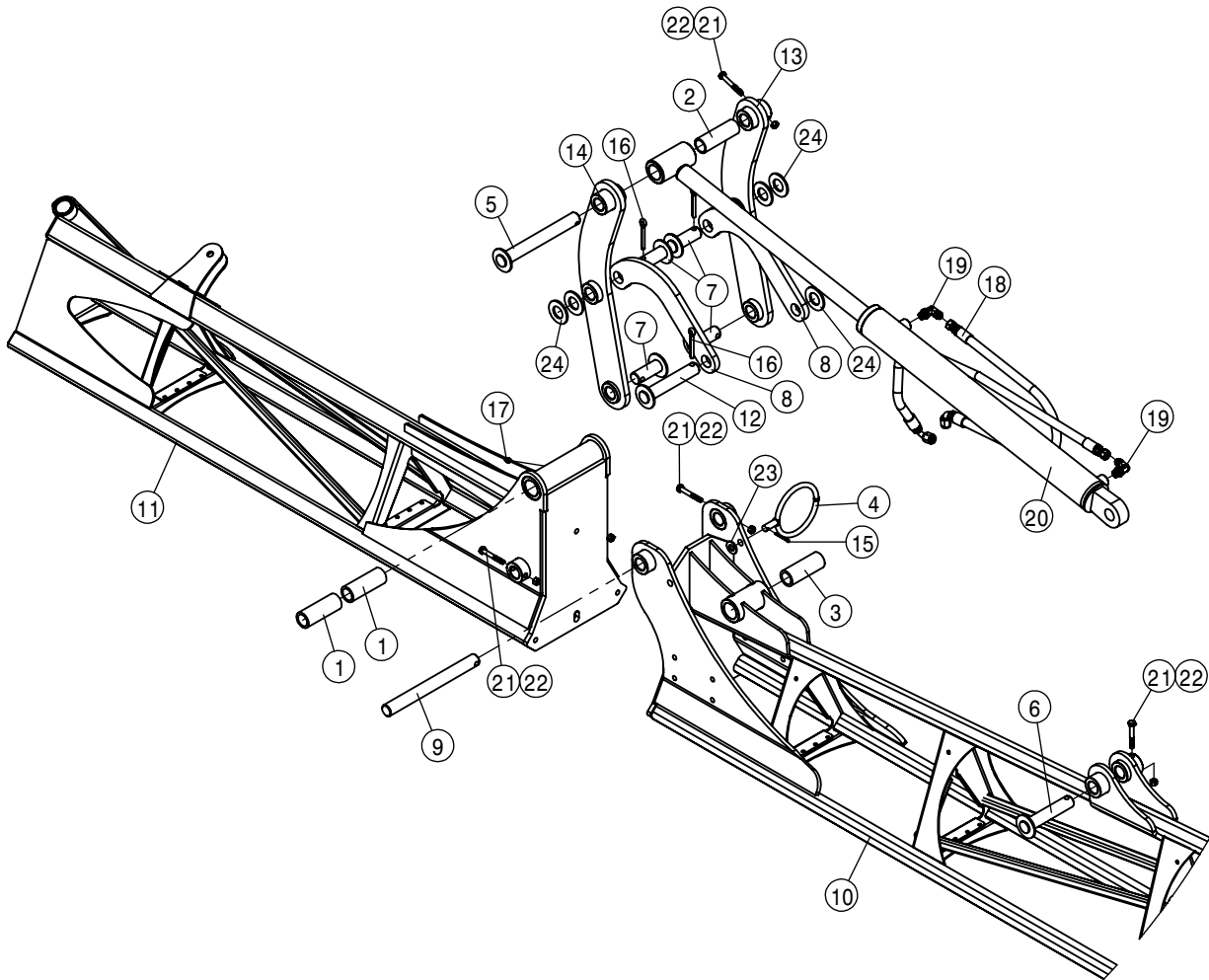
BOOM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	2	164880	INNER BOOM WLD, SECT-1 STS 05
2	1	164970	RH 90' BOOM TIP WLD, SECT-4
3	1	164971	RH BREAKAWAY BOOM WLD, SECT-3
4	1	164973	LH BREAKAWAY BOOM WLD, SECT-3
5	1	164975	LH 90' BOOM TIP WLD, SECT-4
6	1	165800	RH FLDOVR BM WLD,100'SECT-2'10
7	1	165801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



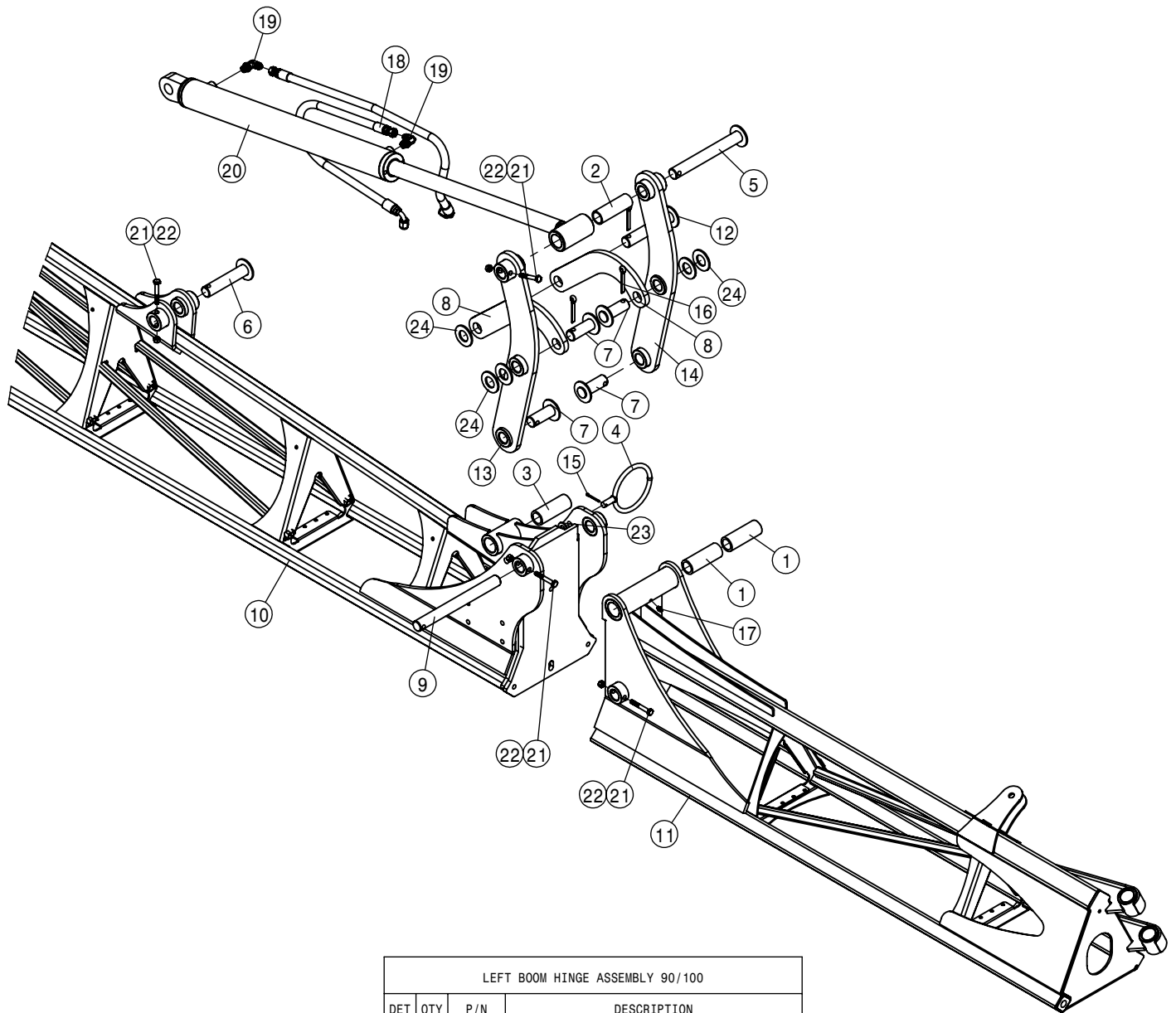
RIGHT INNER BOOM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	164500	LEVEL CYL PIN WLD, SHAFT END
2	1	164515	BOOM HINGE PIN WLD
3	1	164880	INNER BOOM WLD, SECT-1 STS 05
4	1	470000	.50 X 28" CABLE TIE - UV BLACK NYLON
5	1	470012	5/16 X 2 COTTER PIN
6	16	470473	TUBE CLAMP, HVY DTY .375-.375
7	8	470474	COVER PLATE FOR 470473 CLAMP
8	4	615851	HYD TUBE, MAIN BOOM, STS LS
9	1	618618	9/16MJIC-90-9/16FJIC SWIV LBO
10	1	629770	CAPPLUGS CAP, .234 X .500 VINYL
11	7	900010	1/4UNC X 3" HEX BOLT
12	1	900032	1/4UNC X 6 1/2" HEX BOLT
13	1	900073	5/16UNC X 3 1/4" HEX BOLT
14	8	914000	1/4UNC HEX STOVER NUT
15	1	914002	5/16UNC HEX STOVER NUT
16	1	920008N	1" SAE FLAT WASHER



LEFT INNER BOOM ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	164500	LEVEL CYL PIN WLD, SHAFT END
2	1	164515	BOOM HINGE PIN WLD
3	1	164880	INNER BOOM WLD, SECT-1 STS 05
4	1	470000	.50 X 28" CABLE TIE - UV BLACK NYLON
5	1	470012	5/16 X 2 COTTER PIN
6	16	470473	TUBE CLAMP, HVY DTY .375-.375
7	8	470474	COVER PLATE FOR 470473 CLAMP
8	4	615851	HYD TUBE, MAIN BOOM, STS LS
9	1	618618	9/16MJIC-90-9/16FJIC SWIV LBO
10	1	629770	CAPPLUGS CAP, .234 X .500 VINYL
11	7	900010	1/4UNC X 3" HEX BOLT
12	1	900032	1/4UNC X 6 1/2" HEX BOLT
13	1	900073	5/16UNC X 3 1/4 HEX BOLT
14	8	914000	1/4UNC HEX STOVER NUT
15	1	914002	5/16UNC HEX STOVER NUT
16	1	920008N	1" SAE FLAT WASHER

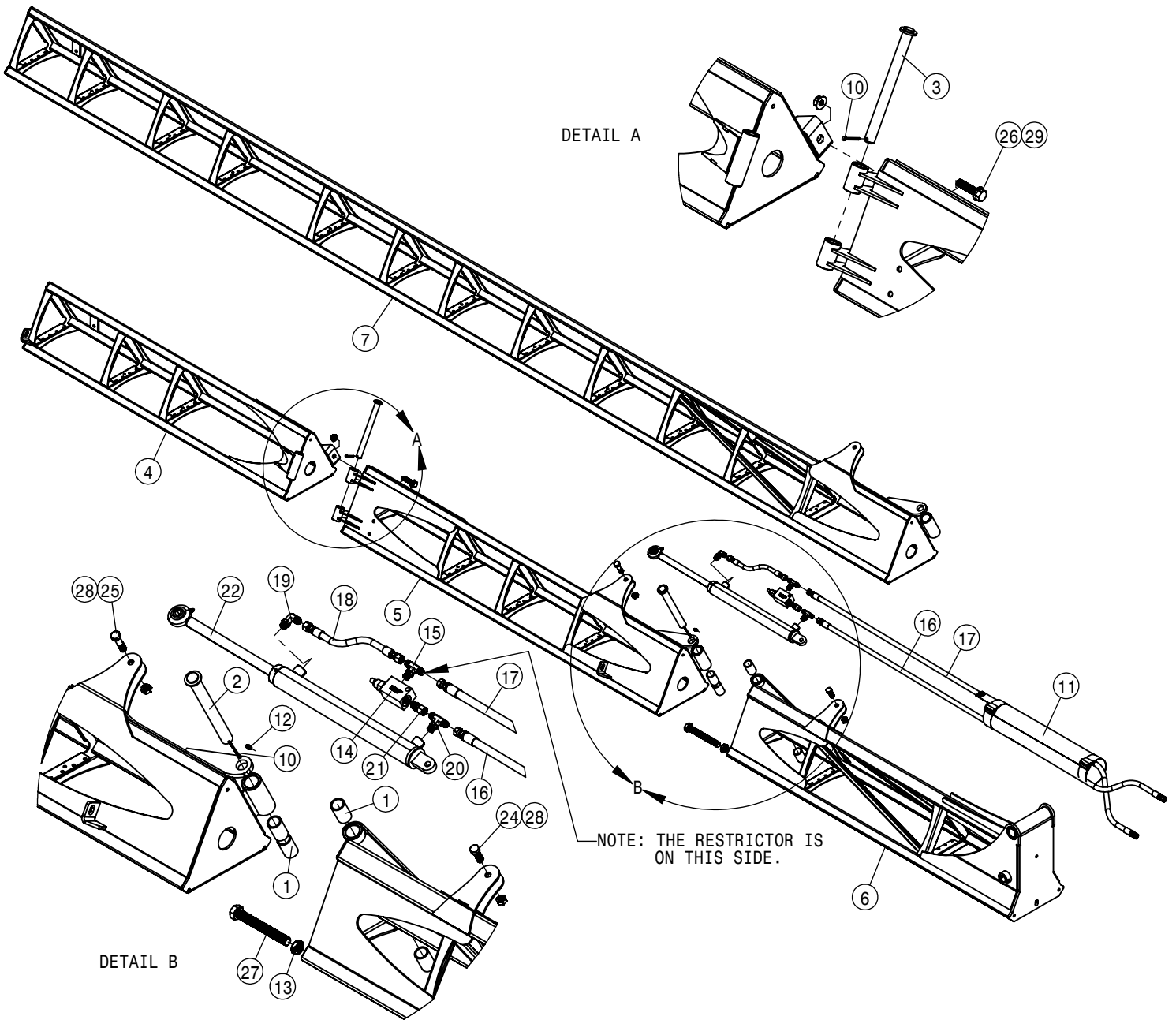


RIGHT BOOM HINGE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	2	121106	BOOM FOLD BRG, POLYGON
2	1	121108	OUTR BOOM FOLD CYL BRG,POLYGON
3	1	121121	BEARING, 1.006-1.368-3.6POLYGON
4	1	164517	HOSE SUPPORT RING WLD
5	1	164520	BOOM CYL PIVOT PIN WLD
6	1	164522	BOOM FOLD CYL PIN WLD
7	4	164524	BOOMERANG CNTR PIVOT PIN WLD
8	2	164643	XK402 TOP ARM(LEFT) 10.35 CNTR
9	1	164678	BOOM FOLD PIVOT PIN, STS 05
10	1	164880	INNER BOOM WLD, SECT-1 STS 05
11	1	165800	RH FLDOVR BM WLD,100'SECT-2'10
12	1	165834	BOOM FOLD CYL PIN WLD
13	1	165836	RH FOLD-OVER BOOMERANG WLD
14	1	165837	LH FOLD-OVER BOOMERANG WLD
15	1	390984	1/8 X 1 1/4 COTTER PIN
16	3	470012	5/16 X 2 COTTER PIN
17	1	471005	GREASE ZERK, 1/4-28 X 1/2
18	2	616356	06-451TC-06FJX-06FJX90-27 H/A
19	2	618688	9/16MOR-90-9/16MJ .025 CHK VLV
20	1	621562	OUTR FOLD CYL,2.25 X 21.00 STS
21	5	900086	5/16UNC X 2 1/4 HEX BOLT
22	5	914002	5/16UNC HEX STOVER NUT
23	1	920004	1/2 SAE FLAT WASHER
24	5	920008	1" SAE FLAT WASHER



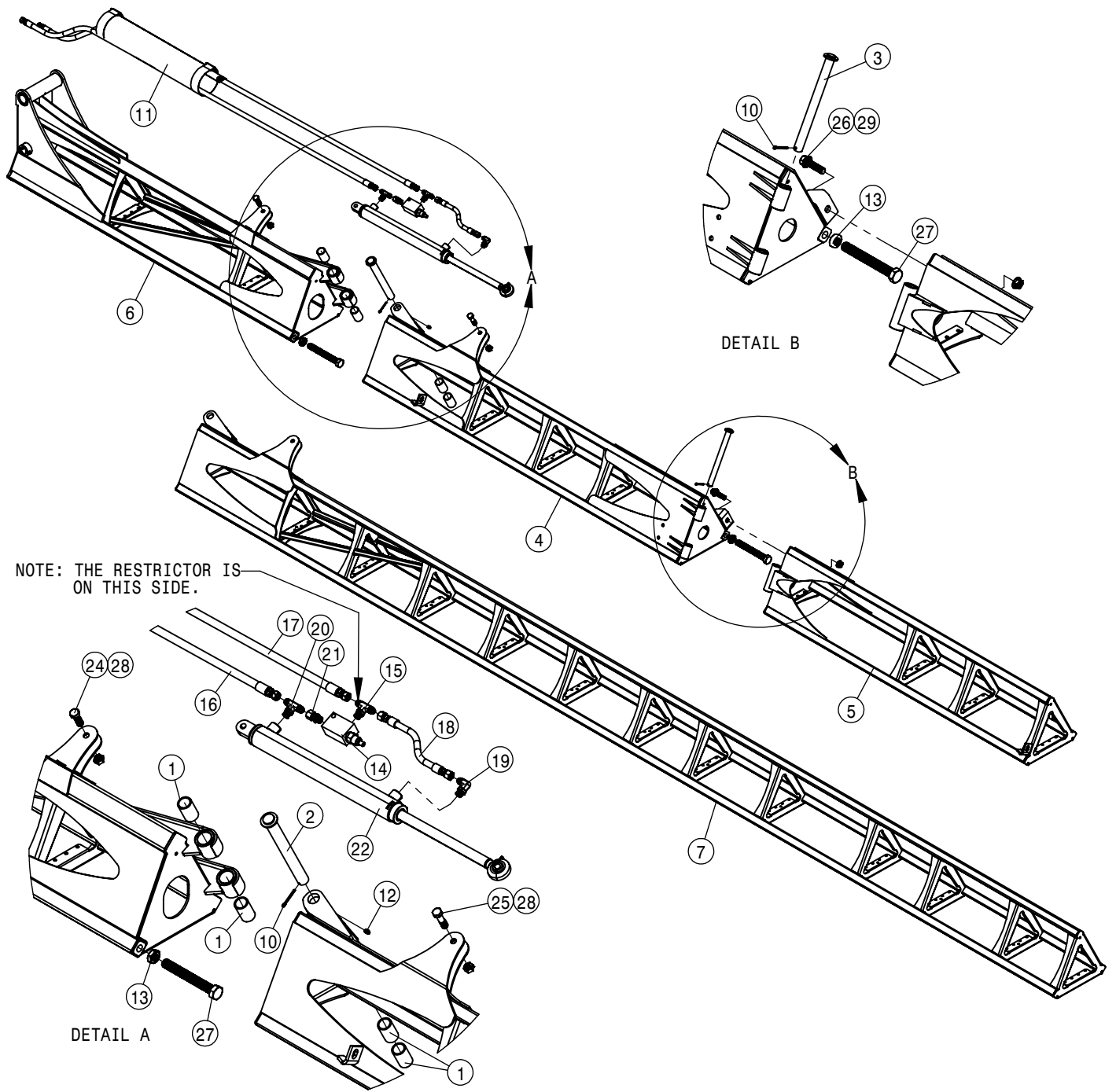
LEFT BOOM HINGE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	2	121106	BOOM FOLD BRG, POLYGON
2	1	121108	OUTR BOOM FOLD CYL BRG,POLYGON
3	1	121121	BEARING, 1.006-1.368-3.6PLYGON
4	1	164517	HOSE SUPPORT RING WLD
5	1	164520	BOOM CYL PIVOT PIN WLD
6	1	164522	BOOM FOLD CYL PIN WLD
7	4	164524	BOOMERANG CNTR PIVOT PIN WLD
8	2	164643	XK402 TOP ARM(LEFT) 10.35 CNTR
9	1	164678	BOOM FOLD PIVOT PIN, STS 05
10	1	164880	INNER BOOM WLD, SECT-1 STS 05
11	1	165801	LH FLDOVR BM WLD,100'SECT-2'10
12	1	165834	BOOM FOLD CYL PIN WLD
13	1	165836	RH FOLD-OVER BOOMERANG WLD
14	1	165837	LH FOLD-OVER BOOMERANG WLD
15	1	390984	1/8 X 1 1/4 COTTER PIN
16	3	470012	5/16 X 2 COTTER PIN
17	1	471005	GREASE ZERK, 1/4-28 X 1/2
18	2	616356	06-451TC-06FJX-06FJX90-27 H/A
19	2	618688	9/16MOR-90-9/16MJ .025 CHK VLV
20	1	621562	OUTR FOLD CYL,2.25 X 21.00 STS
21	5	900086	5/16UNC X 2 1/4 HEX BOLT
22	5	914002	5/16UNC HEX STOVER NUT
23	1	920004	1/2 SAE FLAT WASHER
24	5	920008	1" SAE FLAT WASHER





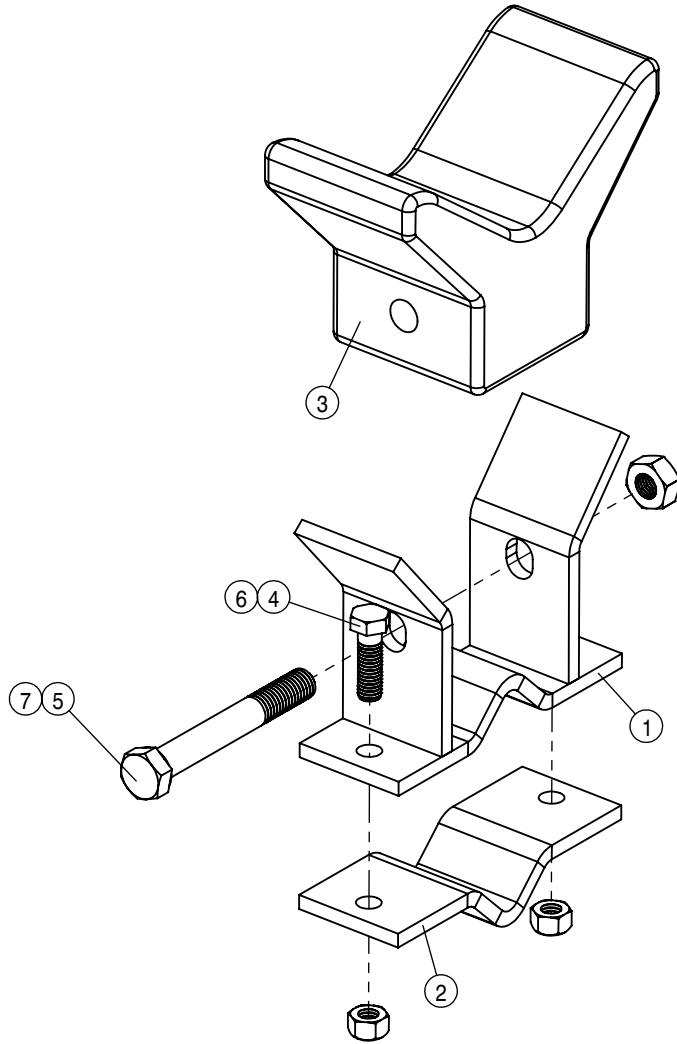
RIGHT BOOM BREAKAWAY 90/100			
DET	QTY	P/N	DESCRIPTION
1	4	121110	BOOM FOLD BRG, POLYGON
2	1	164526	BOOM BREAKAWAY PIVOT PIN WLD
3	1	164637	BOOM TIP SECTION PIN WLD
4	1	164970	RH 90' BOOM TIP WLD, SECT-4
5	1	164971	RH BREAKAWAY BOOM WLD, SECT-3
6	1	165800	RH FLDOVR BM WLD, 100' SECT-2' 10
7	1	165815	RH BRKWAY BM WLD, 100' SECT-3' 10
NS	1	293860	FENCE ROW EXT HARNESS 100'STS
NS	1	294153	BOOM WING HARNESS, STS '12
10	2	470011	COTTER PIN 5/32 X 1 1/2
11	1	470378	SIDEWINDER SLEEVE, 14.06 X 21"
12	1	471005	GREASE ZERK, 1/4-28 X 1/2
13	2	472334	3/4UNC HEX JAM NUT
14	1	607540	KICK DOWN RELIEF VALVE, 800 PSI
15	1	614752	RESTRICTOR BR TEE ASSY, .042DIA

RIGHT BOOM BREAKAWAY 90/100			
DET	QTY	P/N	DESCRIPTION
16	1	616360	06-451TC-06FJX-06FJX-84 H/A
17	1	616361	06-451TC-06FJX-06FJX-86 H/A
18	1	617054	04-451TC-06FJX-06FJX-11
19	1	618119	9/16MJIC-90-9/16MOR LBO
20	1	618629	9/16MOR BRANCH TEE-9/16MJIC
21	1	618668	9/16FJIC SWIV-9/16MOR ADPTR
22	1	621590	120' TIP FOLD CYL, STS 120' BM 08
NS	1	650428	DECAL SHEET, 90' BOOM
24	1	900265	1/2UNC X 1 1/2 HEX BOLT
25	1	900267	1/2UNC X 2" HEX BOLT
26	1	900267N	1/2UNC X 2" SERR FLG BOLT
27	2	906350	3/4UNC X 6" HEX BOLT FULL
28	2	914008	1/2 UNC HEX STOVER NUT
29	1	914008N	1/2UNC SMTH FLG CTR LCK NUT YZ

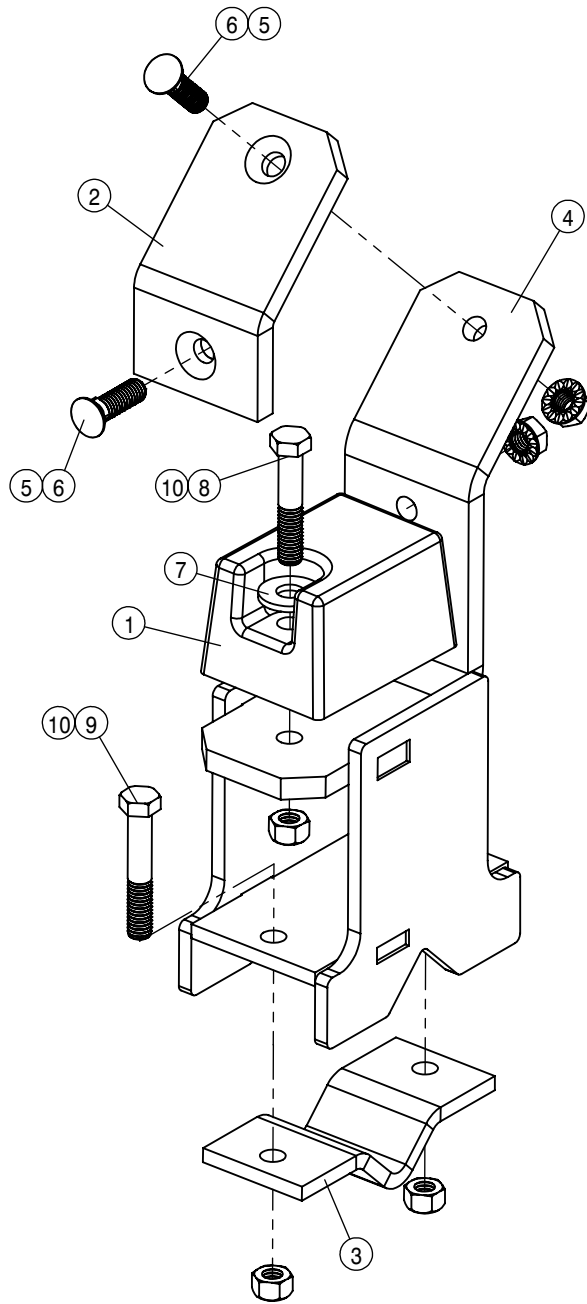


LEFT BOOM BREAKAWAY 90/100			
DET	QTY	P/N	DESCRIPTION
1	4	121110	BOOM FOLD BRG, POLYGON
2	1	164526	BOOM BREAKAWAY PIVOT PIN WLD
3	1	164637	BOOM TIP SECTION PIN WLD
4	1	164973	LH BREAKAWAY BOOM WLD, SECT-3
5	1	164975	LH 90' BOOM TIP WLD, SECT-4
6	1	165801	LH FLDOVR BM WLD, 100' SECT-2' 10
7	1	165816	LH BRKWAY BM WLD, 100' SECT-3' 10
NS	1	293860	FENCE ROW EXT HARNESS 100'STS
NS	1	294153	BOOM WING HARNESS, STS ' 12
10	2	470011	COTTER PIN 5/32 X 1 1/2
11	1	470378	SIDEWINDER SLEEVE, 14.06 X 21"
12	1	471005	GREASE ZERK, 1/4-28 X 1/2
13	2	472334	3/4UNC HEX JAM NUT
14	1	607540	KICK DOWN RELIEF VALVE, 800 PSI
15	1	614752	RESTRICTOR BR TEE ASSY, .042DIA

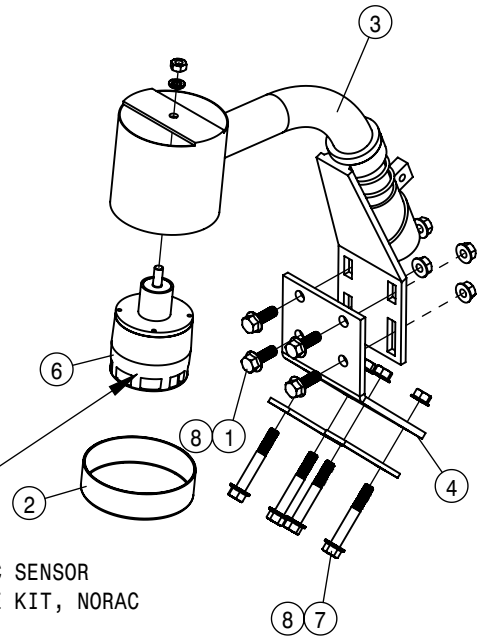
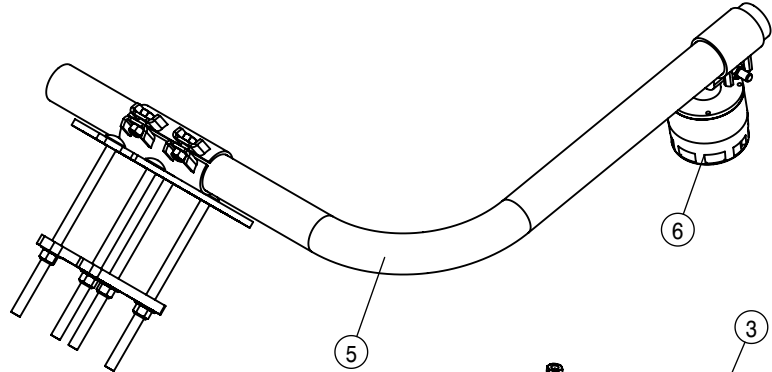
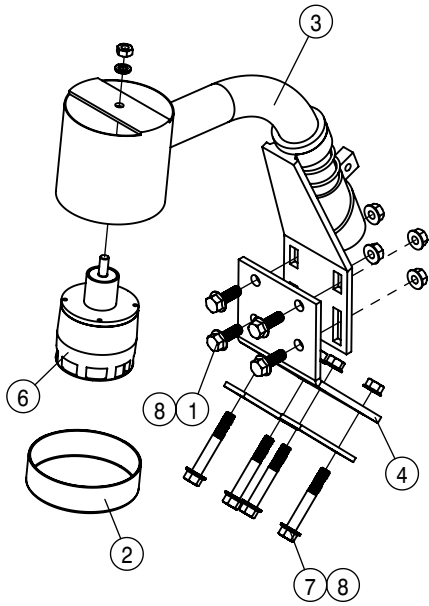
LEFT BOOM BREAKAWAY 90/100			
DET	QTY	P/N	DESCRIPTION
16	1	616360	06-451TC-06FJX-06FJX-84 H/A
17	1	616361	06-451TC-06FJX-06FJX-86 H/A
18	1	617054	04-451TC-06FJX-06FJX-11
19	1	618119	9/16MJIC-90-9/16MOR LBO
20	1	618629	9/16MOR BRANCH TEE-9/16MJIC
21	1	618668	9/16FJIC SWIV-9/16MOR ADPTR
22	1	621590	120' TIP FOLD CYL, STS 120' BM 08
NS	1	650428	DECAL SHEET, 90' BOOM
24	1	900265	1/2UNC X 1 1/2 HEX BOLT
25	1	900267	1/2UNC X 2" HEX BOLT
26	1	900267N	1/2UNC X 2" SERR FLG BOLT
27	2	906350	3/4UNC X 6" HEX BOLT FULL
28	2	914008	1/2 UNC HEX STOVER NUT
29	1	914008N	1/2UNC SMTH FLG CTR LCK NUT YZ



BOOM SUPPORT ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	164544	FRT BOOM SUPPORT WLD, 90' BOOM
2	1	164545	FRT BOOM SUPPORT MT
3	1	470324	3" RUBBER BOW GUARD
4	2	900130	3/8UNC X 1 1/4 HEX BOLT
5	1	900273	1/2UNC X 3 3/4 HEX BOLT
6	2	914004	3/8UNC HEX STOVER NUT
7	1	914008	1/2 UNC HEX STOVER NUT

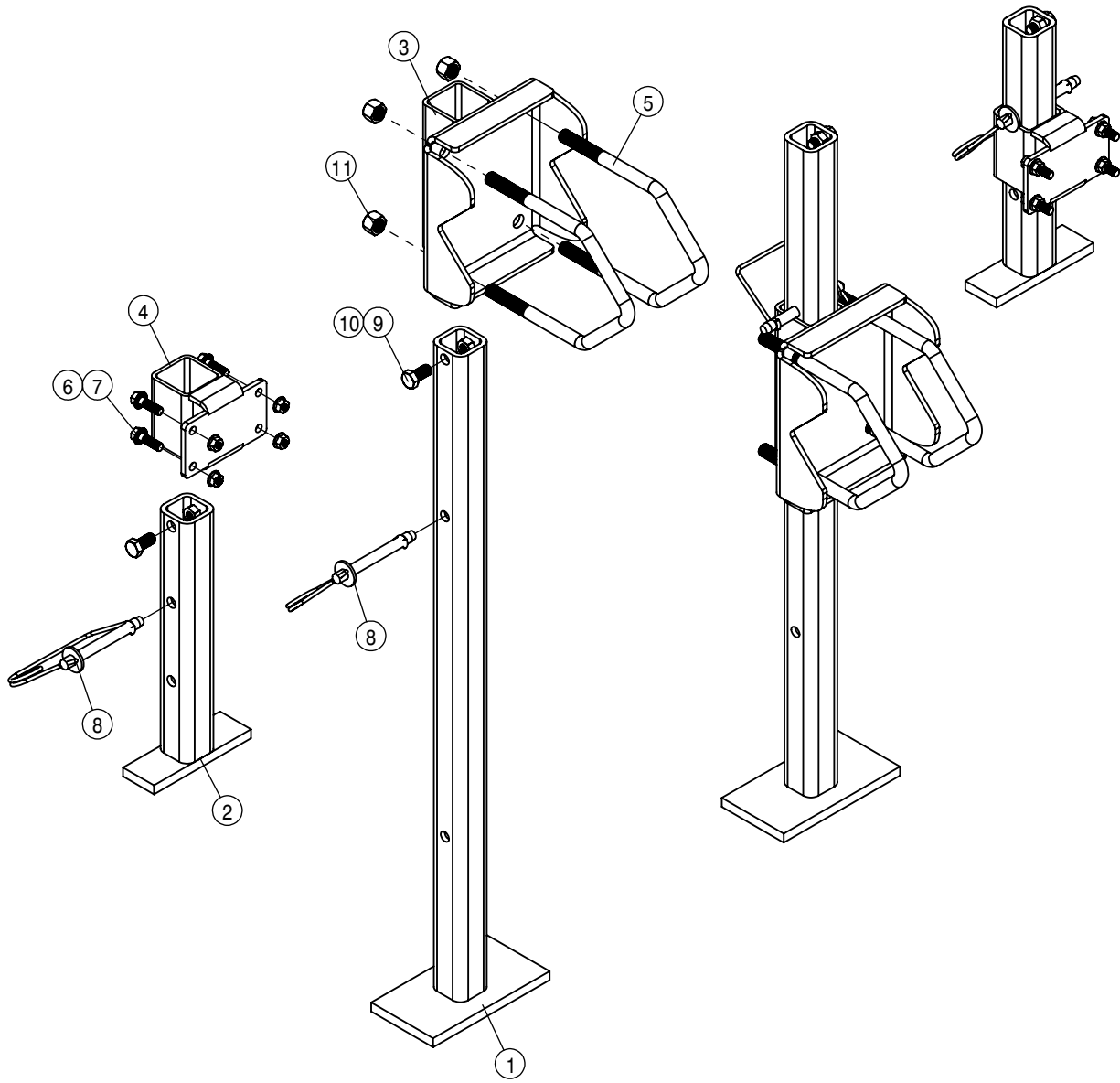


BOOM SUPPORT CRADLE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	164541	BOOM SUPPORT PAD
2	1	164542	BOOM SUPPORT CRADLE PAD
3	1	164543	BOOM SUPPORT KEEPER
4	1	164811	BOOM SUPP CRADLE WLD,80/90' 04
5	2	470087	3/8UNC HEX SERR FLANGE NUT
6	4	470328	3/8UNC X 1 1/4 #3HD PLOW BOLT
7	1	483043N	3/8 REGULAR FLAT WASHER YZ
8	1	900133	3/8UNC X 2" HEX BOLT
9	2	900170	3/8UNC X 2 1/4 HEX BOLT
10	3	914004	3/8UNC HEX STOVER NUT

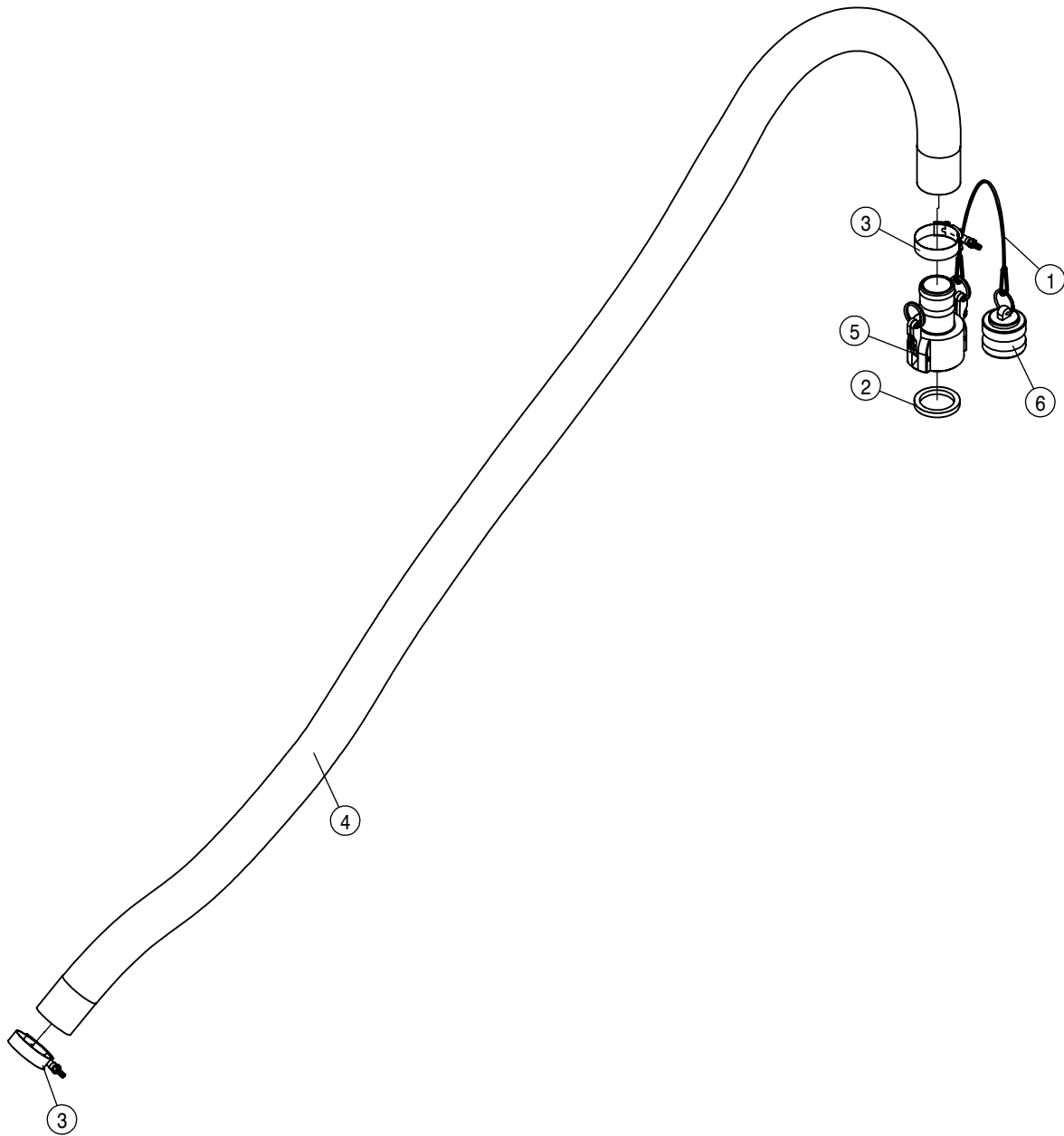


REPAIR PARTS  
 693063-FOAM DISK, NORAC SENSOR  
 693174-MESH/CLIP UPDATE KIT, NORAC

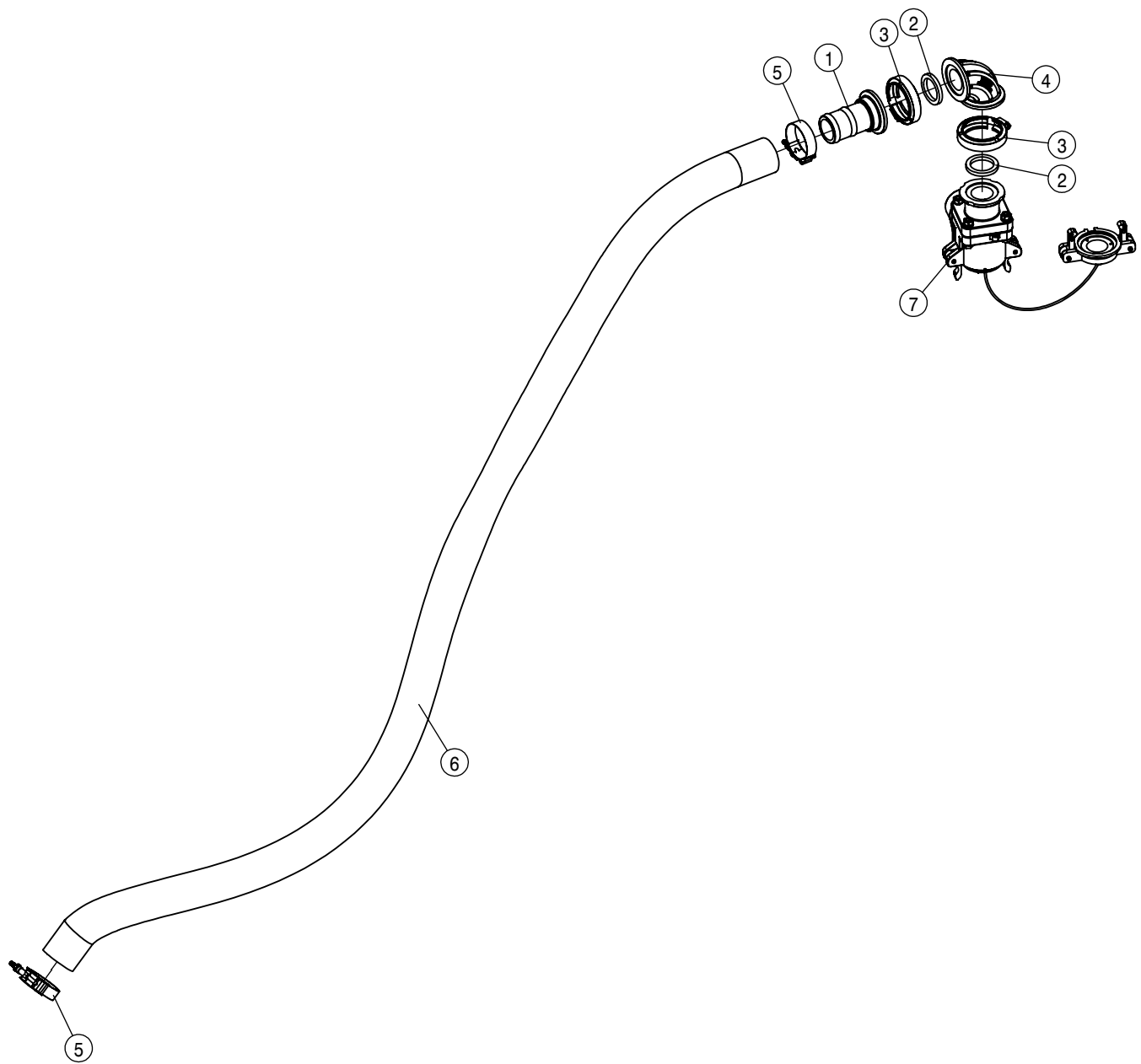
NORAC SENSOR MOUNTS 90/100			
DET	QTY	P/N	DESCRIPTION
1	8	470460	3/8 X 1" SERR FLG BOLT
2	2	629776	CAPPLUGS CAP,4.00ID X 1.25 RED
3	2	693068	SENSOR MTG BRKT, NORAC
4	2	693069	SENSOR MT BRKT ADPTR, NORAC
5	1	693072	MAIN LIFT SENSOR MT,UC4+,NORAC
6	3	693113	SENSOR, NORAC UC5 ULTRASONIC
7	8	900507	3/8UNC X 2 1/2 HHSFB GR5 MC
8	16	910042	3/8-16UNC HEX FLG NUT SM MC GR8



BOOM STAND OPTION 90/100			
DET	QTY	P/N	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 SERR FLANGE NUT
7	8	470329	3/8UNC X 1 1/4 SERR FLG HEX 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	1/2 UNC HEX STOVER NUT
11	8	914010	5/8UNC HEX STOVER NUT

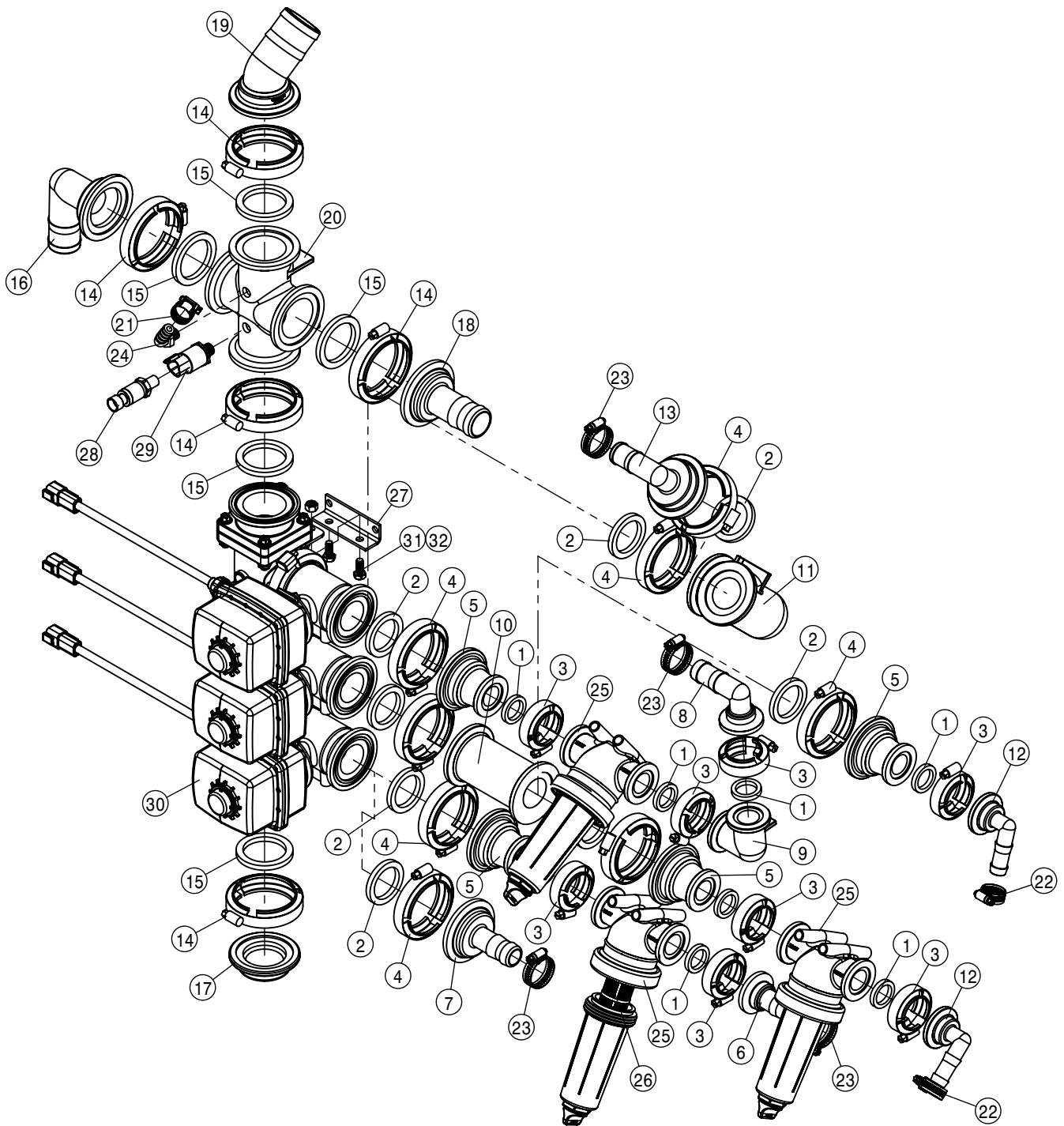


CAM COUPLING ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	470322	LANYARD 8" NYLON LOOP/LOOP
2	1	500231	2"FP FLANGE GASKET,EXTRA THICK
3	2	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
4	1	601894	HOSE, 2 X 91 2F-1W EPDM
5	1	690272	2" FEM COUPLER W/LOCK,2" BARB
6	1	690392	PLUG FOR 2.00 FEMALE COUPLER



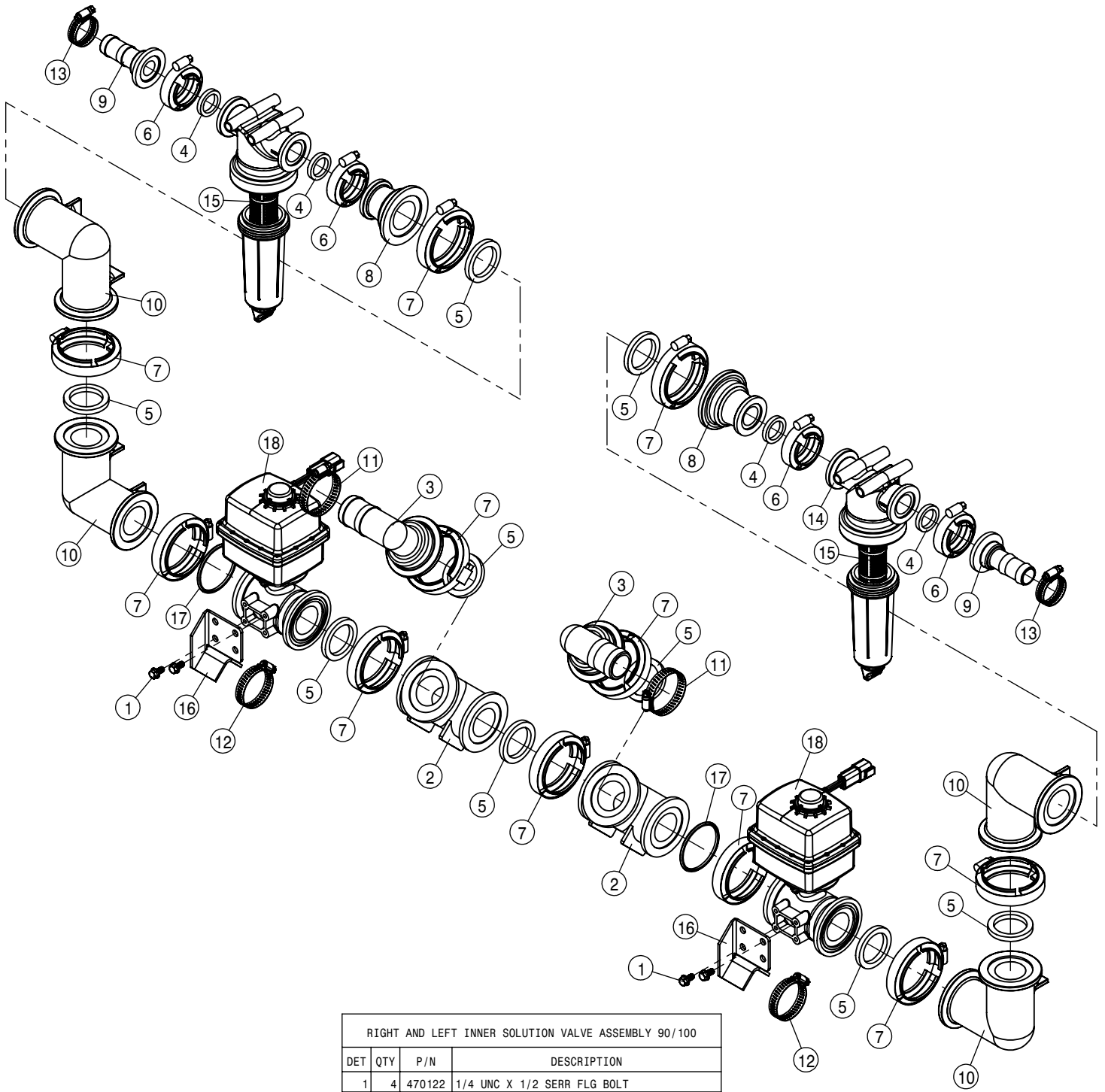
DRY FIT CONNECT OPTION 90/100			
DET	QTY	P/N	DESCRIPTION
1	1	500154	2" FLANGE - 2" HOSE BARB POLY
2	2	500158	1 1/2" GASKET FOR 2" FLANGE
3	2	500160	2" FLANGE CLAMP S.S.
4	1	500266	2" FLANGE SWEEP 90
5	2	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
6	1	601081	HOSE, 2 X 79 2F-1W EPDM
7	1	696236	2" MALE MANFLD DRYMATE VLV, POLY



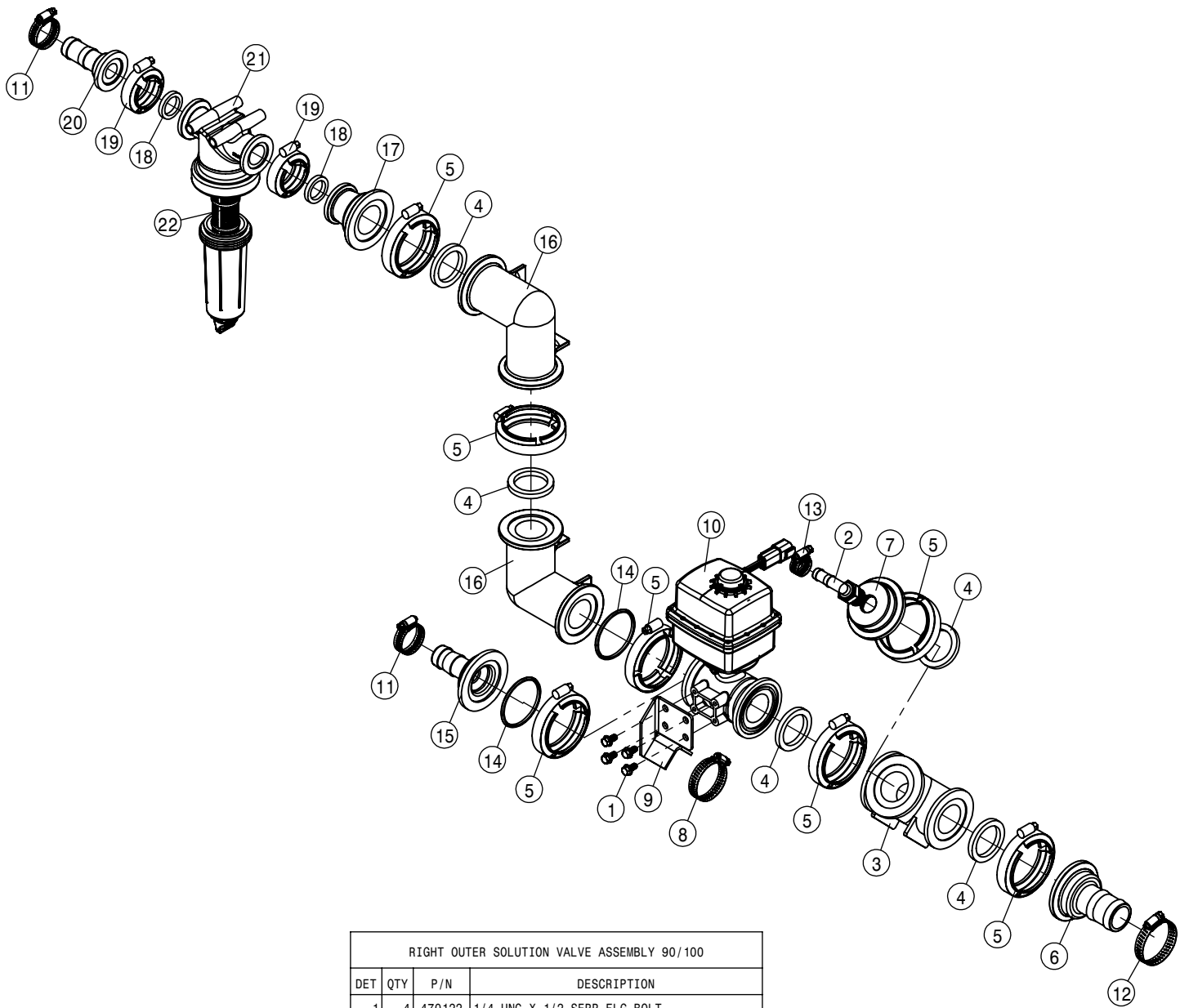


SOLUTION CONTROL VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	8	500157	1" FLANGE GASKET EPDM
2	8	500158	1 1/2" GASKET FOR 2" FLANGE
3	8	500159	1" FLANGE CLAMP S.S.
4	8	500160	2" FLANGE CLAMP S.S.
5	4	500161	2" FLANGE-1"FLANGE ADPTR POLY
6	1	500171	1" FLANGE-1" HOSE BARB POLY
7	1	500172	2" FLANGE-1 " HOSE BARB
8	1	500173	1"FLANGE-90-1"HOSE BARB POLY
9	1	500174	1" FLANGE-90-1" FLANGE LBPOLY
10	1	500177	2" FLANGE-2" FLANGE CPLR POLY
11	1	500180	2" FLANGE-90-2"FLANGE LBO POLY
12	2	500185	1"FLANGE-90-3/4"HOSE BARB POLY
13	1	500189	2" FLANGE-90-1" HOSE BARB POLY
14	5	500194	2" FP FLANGE CLAMP S.S.
15	5	500195	2" FP FLANGE GASKET EPDM
16	1	500197	2" FP FLANGE-90-1 1/2 HBARB

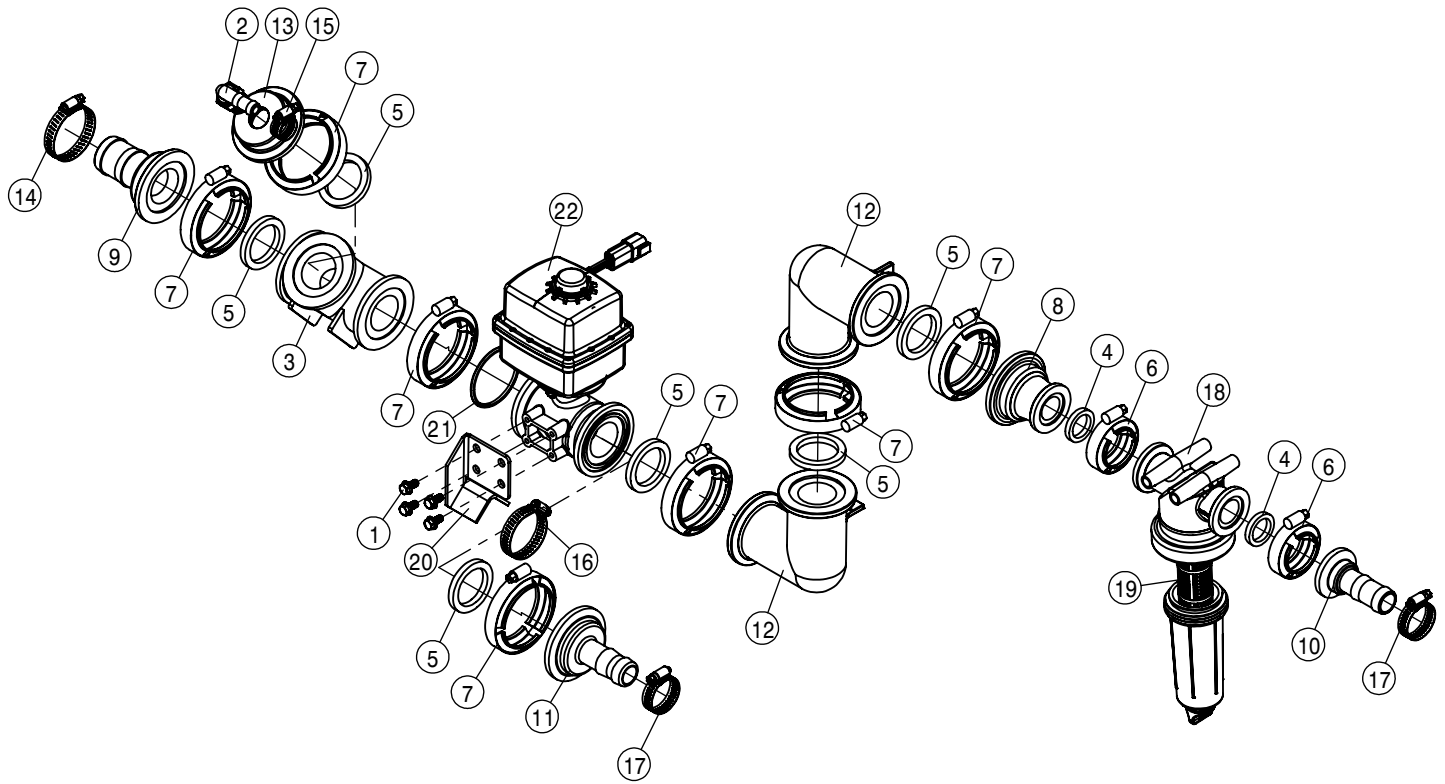
SOLUTION CONTROL VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
17	1	500206	2"FP FLANGE PLUG
18	1	500230	2" FP FLANGE PLUG-1 1/2" HOSE BARB
19	1	500255	2"FP FLANGE - 45- 2"HOSE BARB POLY
20	1	503111	2" FP CROSS W/ TWO GAGE PORTS
21	1	520070	HOSE CLAMP NO 8 STAINLESS
22	2	520080	HOSE CLAMP NO 10 STAINLESS
23	4	520090	HOSECLAMP NO 16 STAINLESS
24	1	618556	1/4NPT-90 1/2 HOSE BARB POLY
25	3	690660	LINE "T" STRAINER, 1" FLANGE W/O SCREEN
26	3	690661	50 MESH SCREEN FOR 690660
27	2	690870	SOLU VLV MANIF MT BRKT STS 03
28	1	693974	AG LEADER PRESSURE SENSOR KIT
29	1	693986	RVN PRESS TRANSDUCER DEUSTCH
30	1	696259	VALVE, 3 SECT KZCO 400-3CIM-DJ
31	4	900064	5/16UNC X 3/4" HEX BOLT
32	4	914002	5/16UNC HEX STOVER NUT



RIGHT AND LEFT INNER SOLUTION VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	4	470122	1/4 UNC X 1/2 SERR FLG BOLT
2	2	500151	2" FLANGE TEE, POLY
3	2	500153	2" FLANGE-90-1 1/2 HBARB POLY
4	4	500157	1" FLANGE GASKET EPDM
5	9	500158	1 1/2" GASKET FOR 2" FLANGE
6	4	500159	1" FLANGE CLAMP S.S.
7	11	500160	2" FLANGE CLAMP S.S.
8	2	500161	2" FLANGE-1"FLANGE ADPTR POLY
9	2	500171	1" FLANGE-1" HOSE BARB POLY
10	4	500180	2" FLANGE-90-2"FLANGE LBO POLY
11	2	520067	HOSE CLAMP NO 28 STAINLESS
12	2	520085	HOSE CLAMP NO 24 STAINLESS
13	2	520090	HOSECLAMP NO 16 STAINLESS
14	2	690660	LINE "T" STRAINER, 1" FLANGE W/O SCREEN
15	2	690661	50 MESH SCREEN FOR 690660
16	2	690871	80/90 BOOM VLVO MT WLD 03
17	2	696254	O-RING, KZCO FLANGED VALVE
18	2	696260	VALVE, KZCO C2F-55B-M-S9



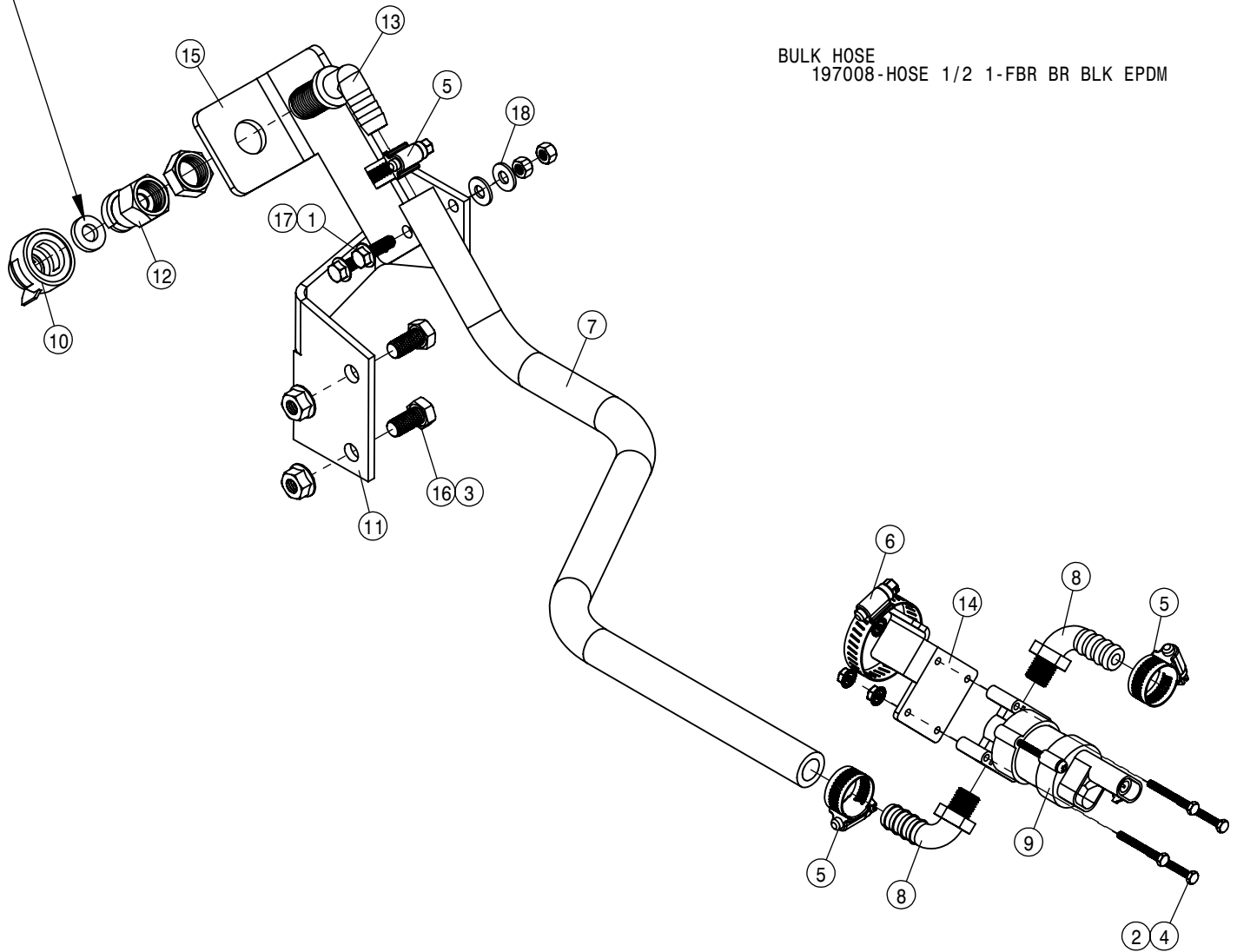
RIGHT OUTER SOLUTION VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	4	470122	1/4 UNC X 1/2 SERR FLG BOLT
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE, POLY
4	5	500158	1 1/2" GASKET FOR 2" FLANGE
5	7	500160	2" FLANGE CLAMP S.S.
6	1	500162	2" FLANGE-1 1/2 HOSE BARB POLY
7	1	500224	2" FLANGE PLUG W/1/2" FNPT POLY
8	1	520085	HOSE CLAMP NO 24 STAINLESS
9	1	690871	80/90 BOOM VLV MT WLD 03
10	1	696260	VALVE, KZCO C2F-55B-M-S9
11	2	520090	HOSECLAMP NO 16 STAINLESS
12	1	520067	HOSE CLAMP NO 28 STAINLESS
13	1	520070	HOSE CLAMP NO 8 STAINLESS
14	2	696254	O-RING, KZCO FLANGED VALVE
15	1	500172	2" FLANGE-1 " HOSE BARB
16	2	500180	2" FLANGE-90-2"FLANGE LBO POLY
17	1	500161	2" FLANGE-1"FLANGE ADPTR POLY
18	2	500157	1" FLANGE GASKET EPDM
19	2	500159	1" FLANGE CLAMP S.S.
20	1	500171	1" FLANGE-1" HOSE BARB POLY
21	1	690660	LINE "T" STRAINER, 1" FLANGE W/O SCREEN
22	1	690661	50 MESH SCREEN FOR 690660



LEFT OUTER SOLUTION VALVE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	4	470122	1/4 UNC X 1/2 SERR FLG BOLT
2	1	500047	1/2NPT-90-1/2 HOSE BARB, POLY
3	1	500151	2" FLANGE TEE, POLY
4	2	500157	1" FLANGE GASKET EPDM
5	6	500158	1 1/2" GASKET FOR 2" FLANGE
6	2	500159	1" FLANGE CLAMP S.S.
7	7	500160	2" FLANGE CLAMP S.S.
8	1	500161	2" FLANGE-1"FLANGE ADPTR POLY
9	1	500162	2" FLANGE-1 1/2 HOSE BARB POLY
10	1	500171	1" FLANGE-1" HOSE BARB POLY
11	1	500172	2" FLANGE-1 " HOSE BARB
12	2	500180	2" FLANGE-90-2"FLANGE LBO POLY
13	1	500224	2" FLANGE PLUG W/1/2" FNPT POLY
14	1	520067	HOSE CLAMP NO 28 STAINLESS
15	1	520070	HOSE CLAMP NO 8 STAINLESS
16	1	520085	HOSE CLAMP NO 24 STAINLESS
17	2	520090	HOSECLAMP NO 16 STAINLESS
18	1	690660	LINE "T" STRAINER, 1" FLANGE W/O SCREEN
19	1	690661	50 MESH SCREEN FOR 690660
20	1	690871	80/90 BOOM VLV MT WLD 03
21	1	696254	O-RING, KZCO FLANGED VALVE
22	1	696260	VALVE, KZCO C2F-55B-M-S9

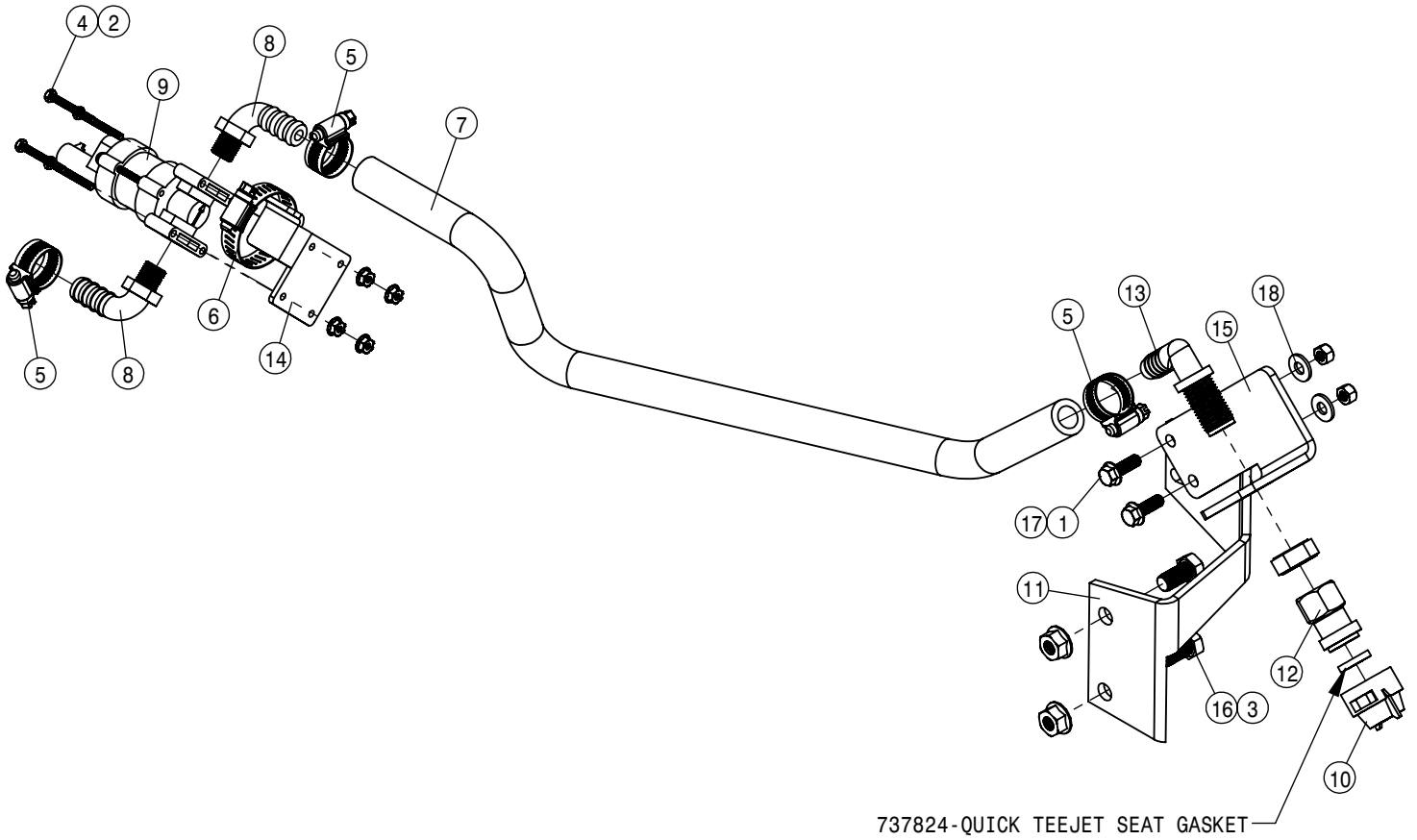
737824-QUICK TEEJET SEAT GASKET

BULK HOSE  
197008-HOSE 1/2 1-FBR BR BLK EPDM

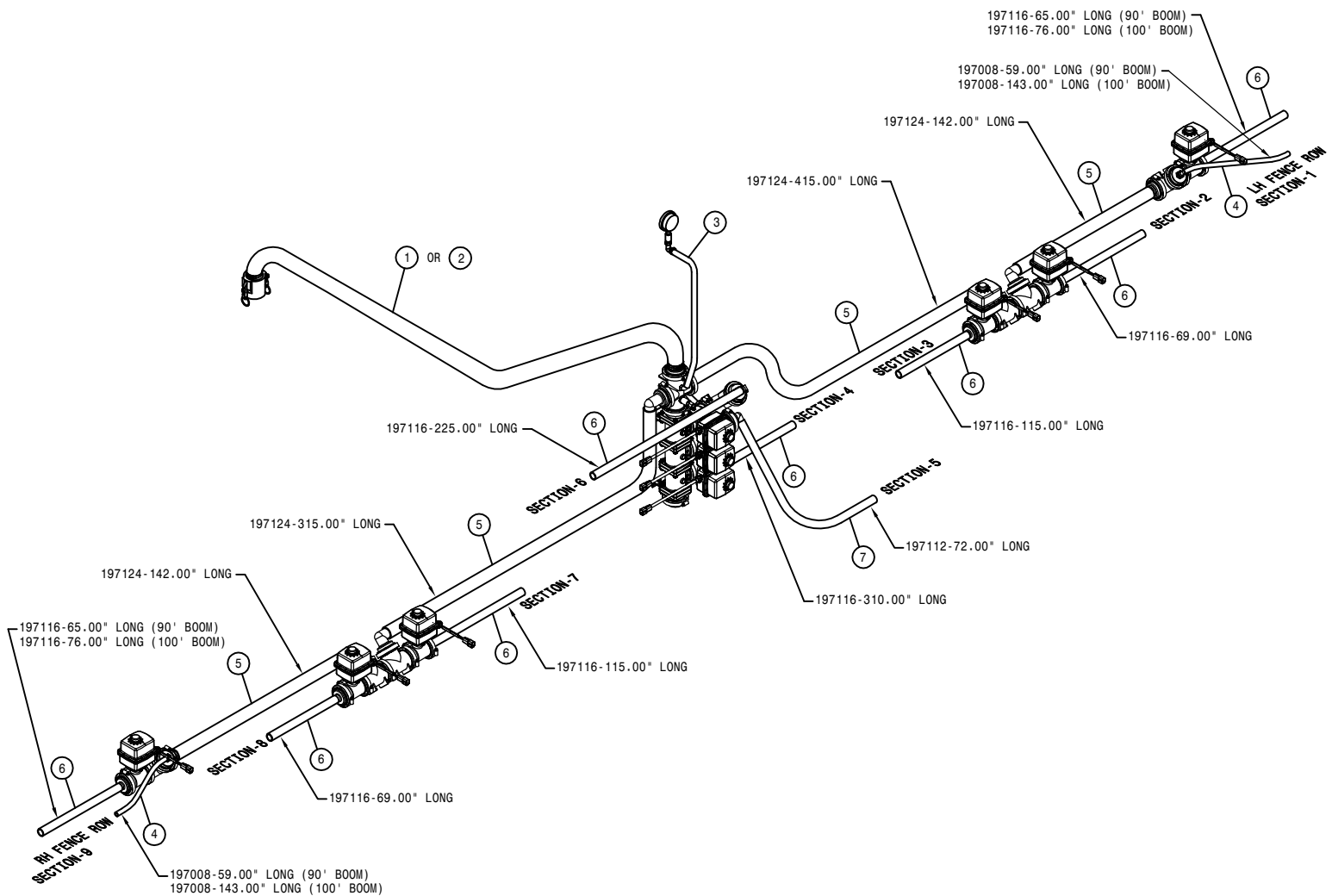


RIGHT FENCE ROW NOZZLE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	2	470118	1/4 UNC X 3/4 SER FLG BOLT
2	4	470509	6-32 SERR. FLANGE NUT
3	2	472029	3/8UNC SERR FLANGE NUT SS
4	4	473993	6-32 X 1 1/4 HH MACH SCR
5	3	520070	HOSE CLAMP NO 8 STAINLESS
6	1	520087	HOSE CLAMP NO 20 STAINLESS
7	1	601719	HOSE, 1/2 X 23 1BR BLK EPDM
8	2	618556	1/4NPT-90 1/2 HOSE BARB POLY
9	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
10	1	737822	CAP SET, YELLOW QUICK TEEJET
11	1	737907	RH FENCE ROW TIP BRKT MT
12	1	737931	11/16-16F-QUICK TJET ADAPTER
13	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
14	1	737945	MTG BRKT-SOLENOID, FENCE ROW
15	1	737946	MTG BRKT-RH FENCE ROW NOZZLE
16	2	900128	3/8UNC X 3/4 HEX BOLT
17	2	914000	1/4UNC HEX STOVER NUT
18	2	920000	1/4 SAE FLAT WASHER

BULK HOSE  
197008-HOSE 1/2 1-FBR BR BLK EPDM



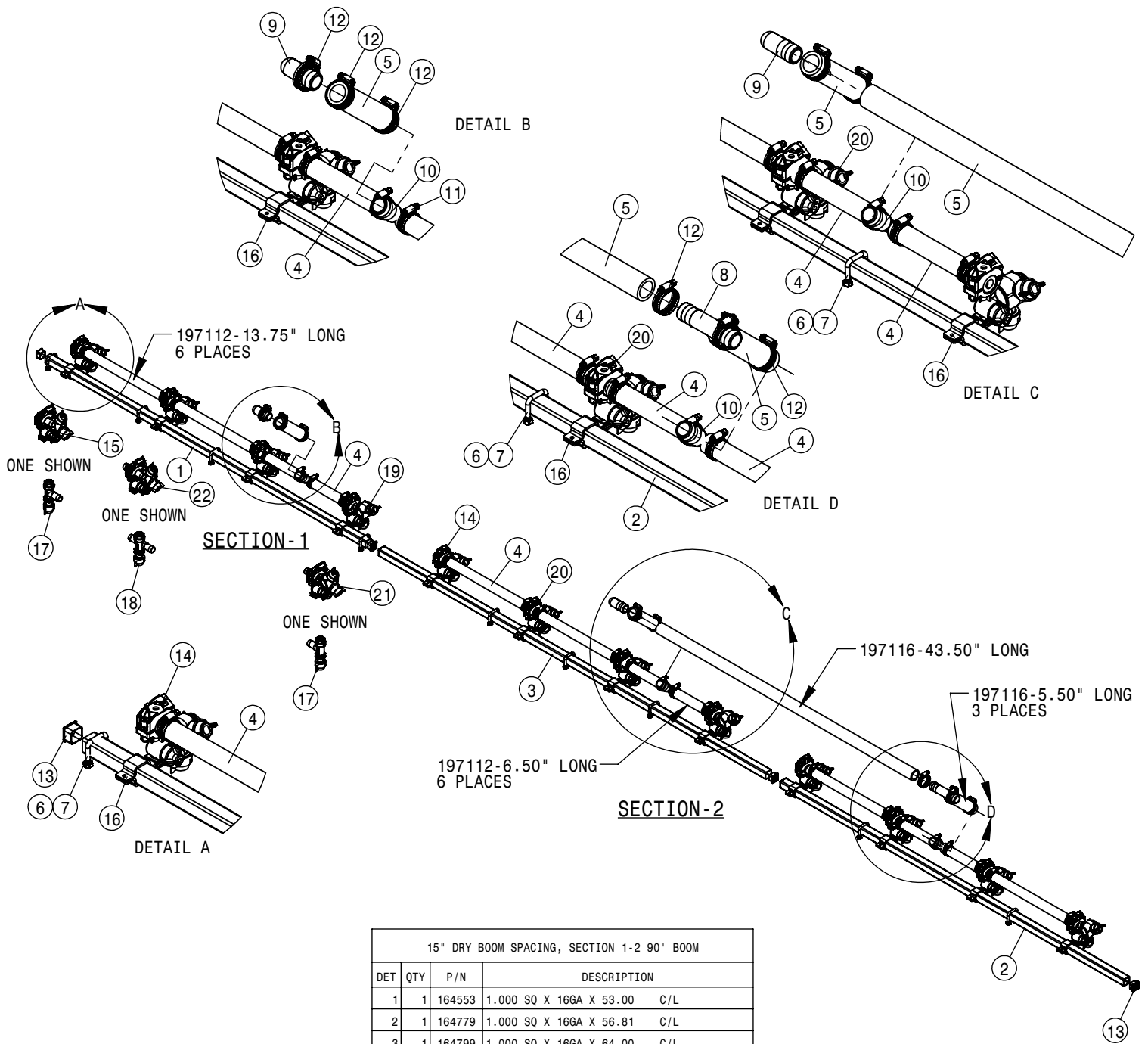
LEFT FENCE ROW NOZZLE ASSEMBLY 90/100			
DET	QTY	P/N	DESCRIPTION
1	2	470118	1/4 UNC X 3/4 SER FLG BOLT
2	4	470509	6-32 SERR. FLANGE NUT
3	2	472029	3/8UNC SERR FLANGE NUT SS
4	4	473993	6-32 X 1 1/4 HH MACH SCR
5	3	520070	HOSE CLAMP NO 8 STAINLESS
6	1	520087	HOSE CLAMP NO 20 STAINLESS
7	1	601719	HOSE, 1/2 X 23 1BR BLK EPDM
8	2	618556	1/4NPT-90 1/2 HOSE BARB POLY
9	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
10	1	737822	CAP SET, YELLOW QUICK TEEJET
11	1	737908	LH FENCE ROW TIP BRKT MT
12	1	737931	11/16-16F-QUICK TJET ADAPTER
13	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
14	1	737945	MTG BRKT-SOLENOID, FENCE ROW
15	1	737947	MTG BRKT-LH FENCE ROW NOZZLE
16	2	900128	3/8UNC X 3/4 HEX BOLT
17	2	914000	1/4UNC HEX STOVER NUT
18	2	920000	1/4 SAE FLAT WASHER



SOLUTION HOSING 90' / 100' BOOM

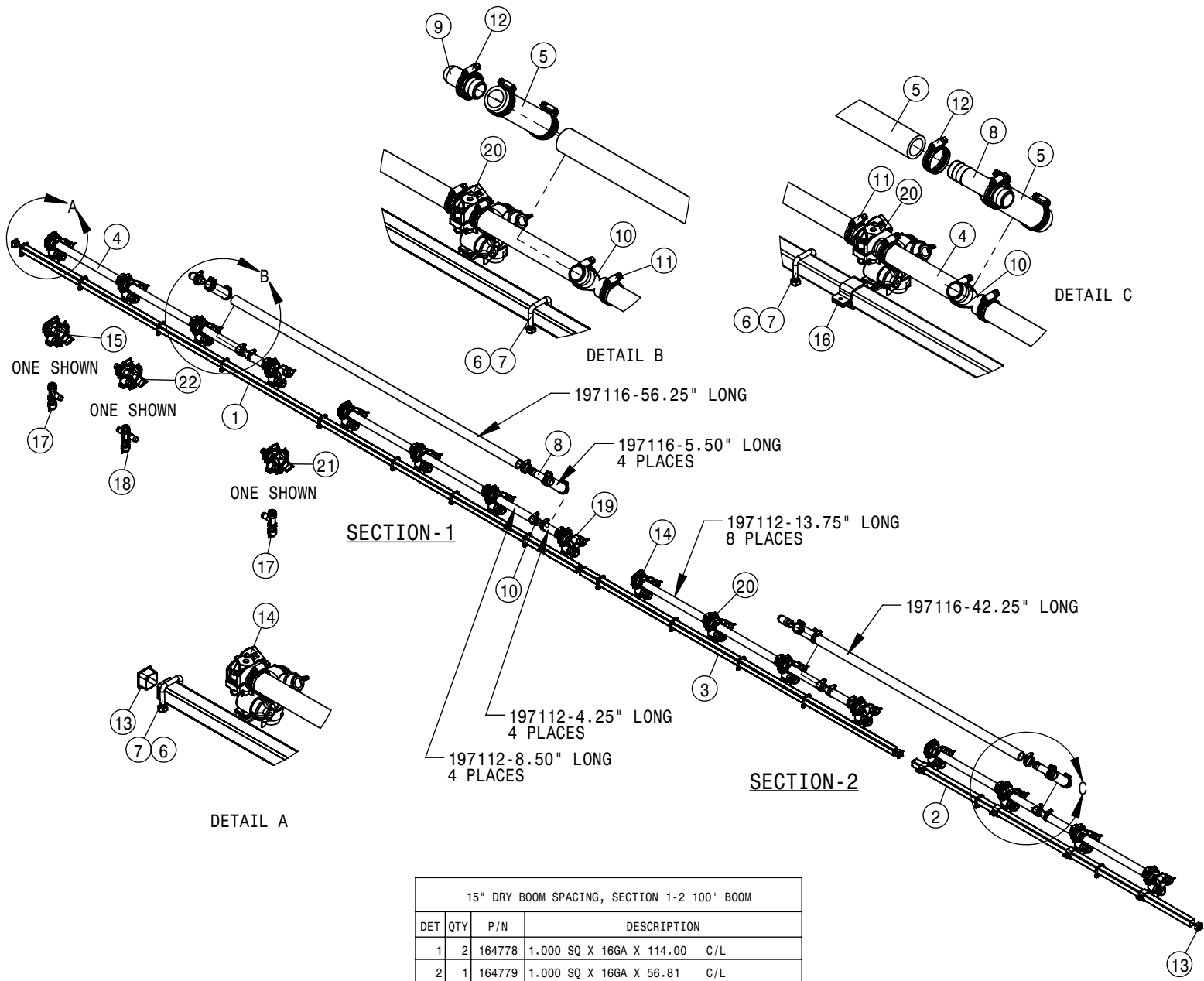
DET. QTY PART NO. DESCRIPTION

1	1	601894	HOSE, 2 x 91 2F-1W EPDM
2	1	601081	HOSE, 2 X 79 2F-1W EPDM
3	1	601634	HOSE, 1/2 X 78 1BR BLK EPDM
4	2	197008	HOSE 1/2 1-FBR BR BLK EPDM
5	4	197124	HOSE 1 1/2 2-FBR BR BLK EPDM
6	8	197116	HOSE 1IN 1-FBR BR BLK EPDM
7	1	197112	HOSE 3/4 1-FBR BR BLK EPDM

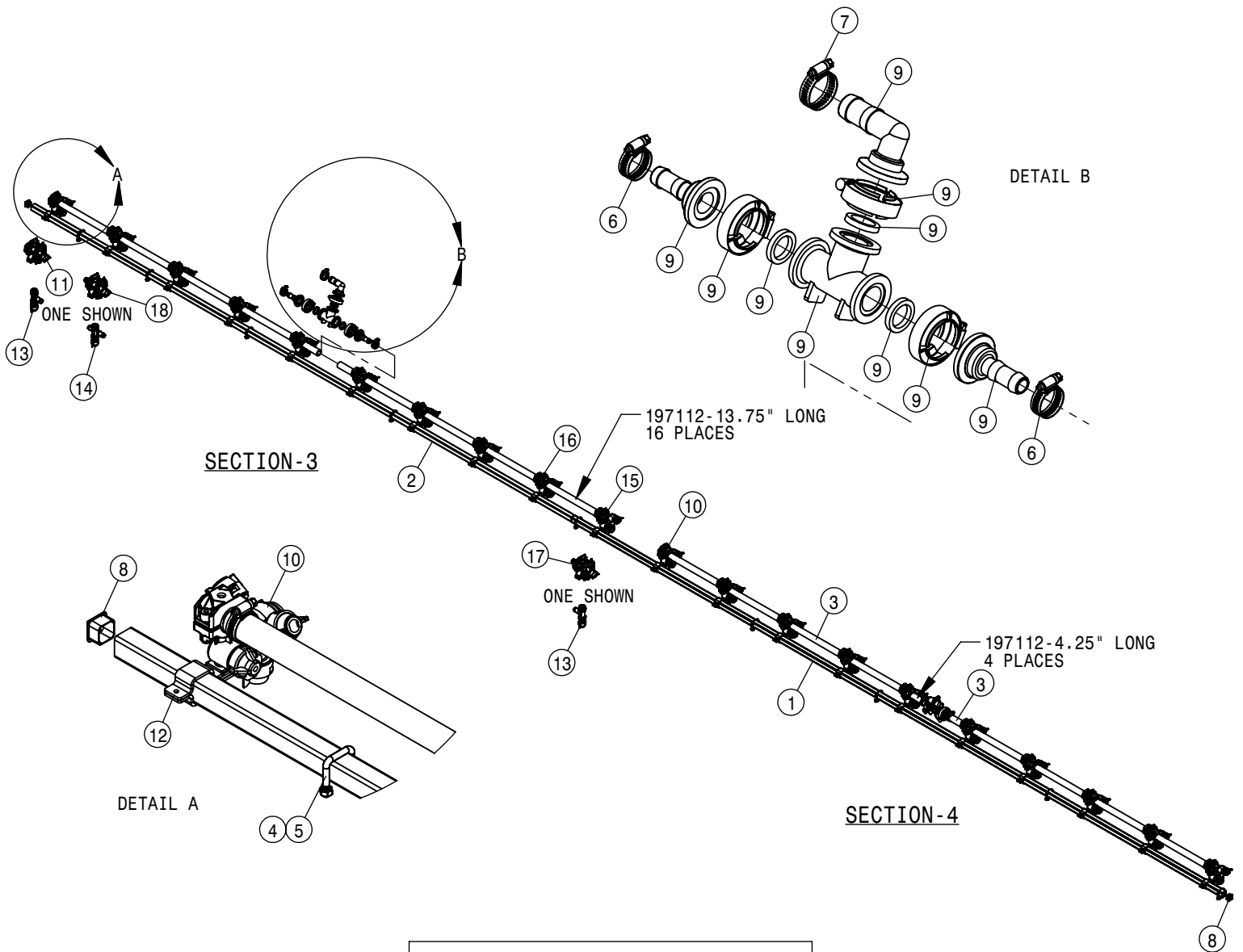


15" DRY BOOM SPACING, SECTION 1-2 90' BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164553	1.000 SQ X 16GA X 53.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	1	164799	1.000 SQ X 16GA X 64.00 C/L
4	12	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	4	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	18	473842	1/4UNC LOCK NUT,CNTR POINT
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	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	24	520055	HOSE CLAMP NO 12 STAINLESS
12	9	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	3	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	3	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	12	737817	NOZZLE BRACKET
17	6	737829	QUICK TJET LBO,1-TIP BODY .75
18	6	737830	QUICK TJET TEE,1-TIP BODY .75
19	3	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	6	737834	QUICK TJET TEE,3-TIP BODY .75
21	3	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	6	737851	QUICK TJET TEE, 5-TIP BODY .75

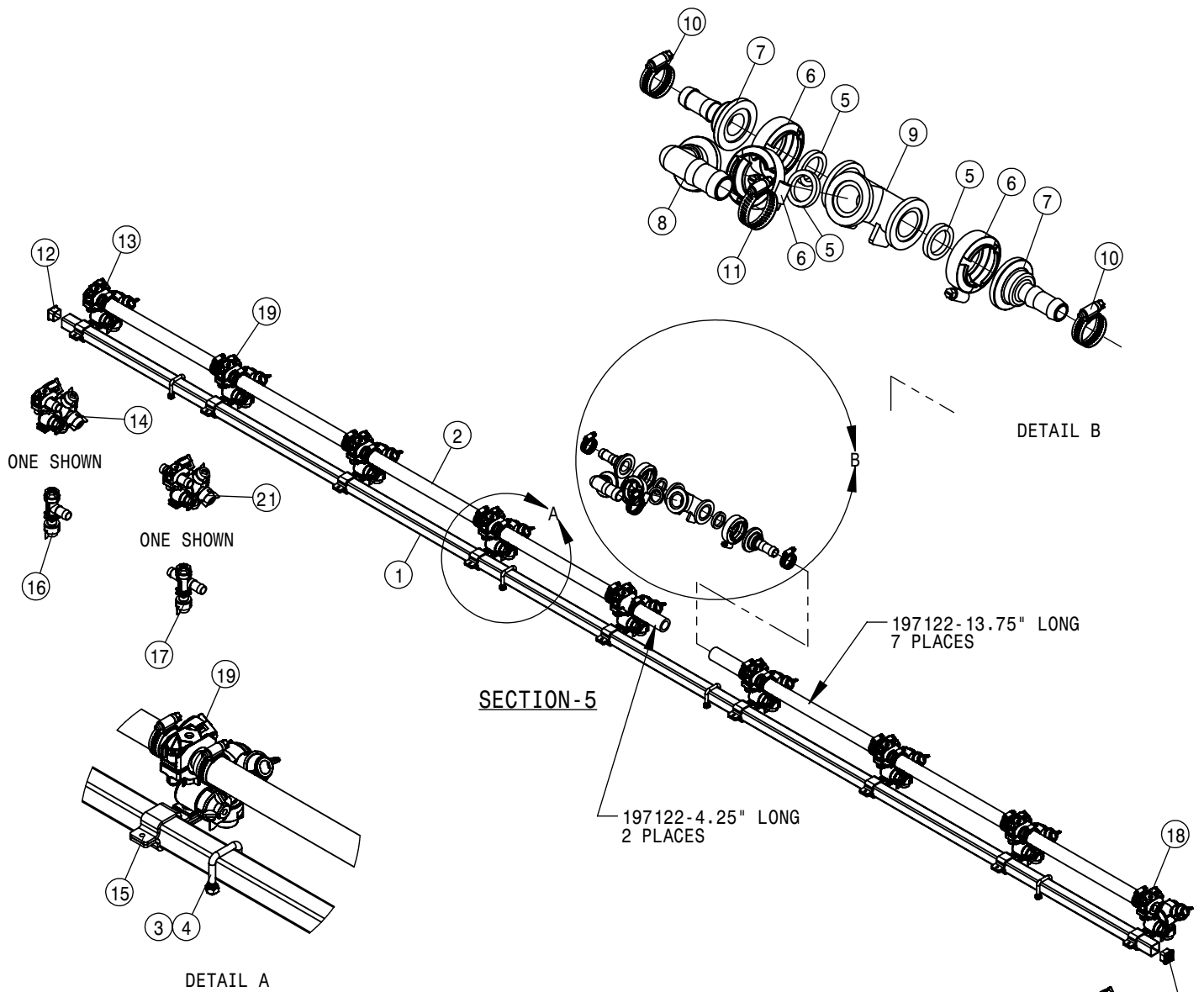




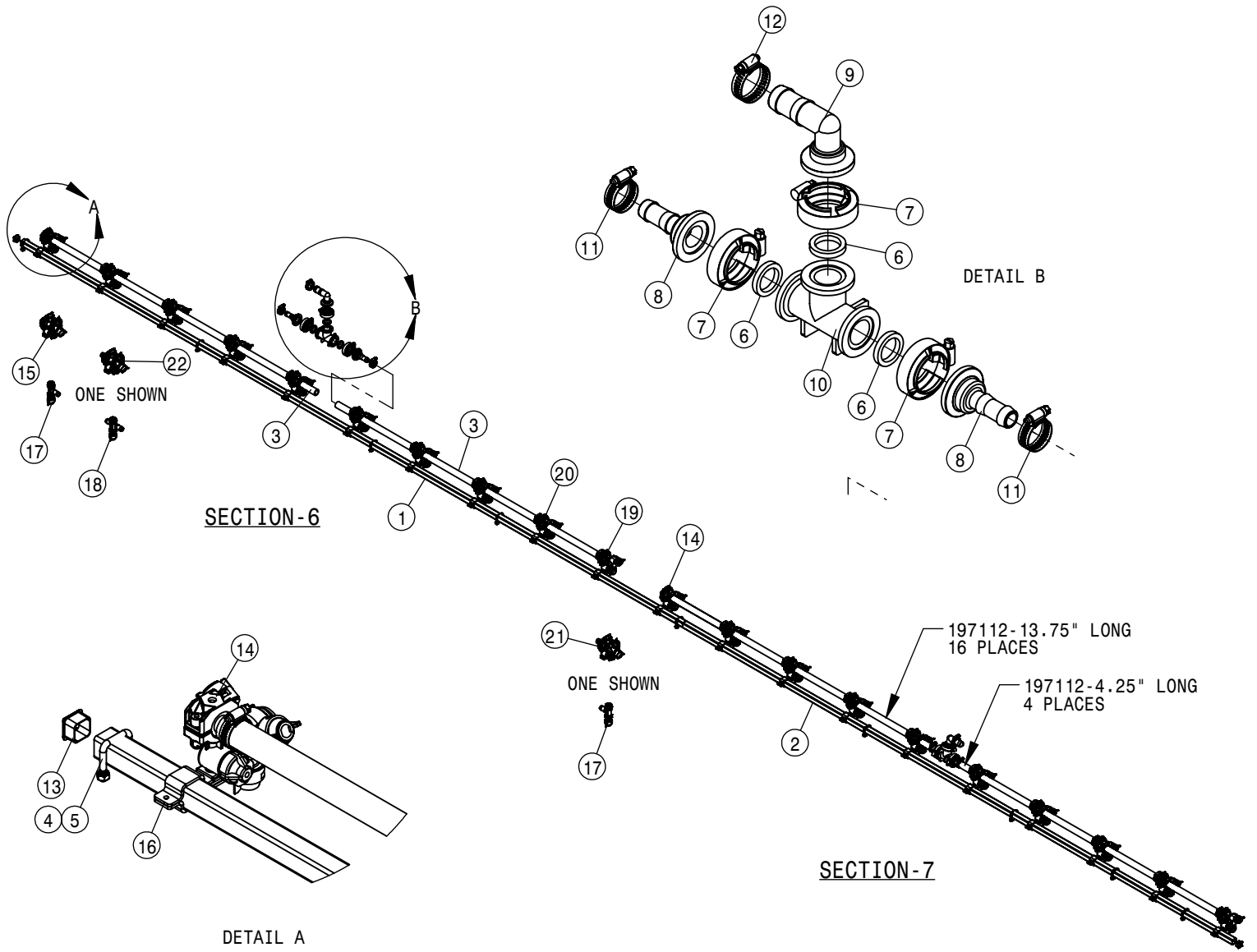
15" DRY BOOM SPACING, SECTION 1-2 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	164778	1.000 SQ X 16GA X 114.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	2	164799	1.000 SQ X 16GA X 64.00 C/L
4	16	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	28	473842	1/4UNC LOCK NUT,CNTR POINT
7	18	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	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	32	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	4	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	4	737817	NOZZLE BRACKET
17	8	737829	QUICK TJET LBO,1-TIP BODY .75
18	8	737830	QUICK TJET TEE,1-TIP BODY .75
19	4	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	8	737834	QUICK TJET TEE,3-TIP BODY .75
21	4	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	8	737851	QUICK TJET TEE, 5-TIP BODY .75



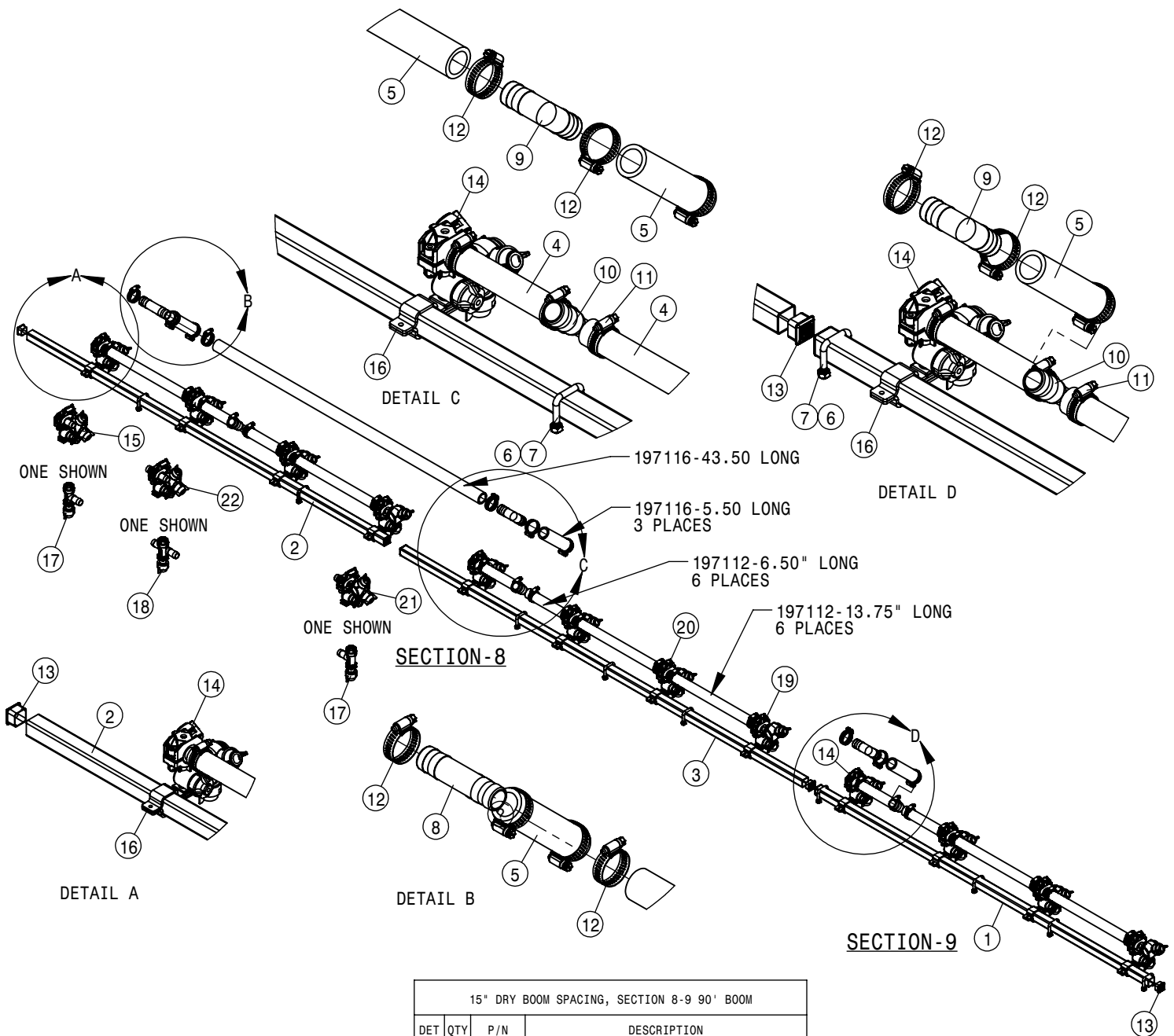
15" DRY BOOM SPACING, SECTION 3-4 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD, SECT-1 (B)
3	20	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	18	473842	1/4UNC LOCK NUT, CNTR POINT
5	12	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	40	520055	HOSE CLAMP NO 12 STAINLESS
7	2	520090	HOSECLAMP NO 16 STAINLESS
8	2	629727	FINISH PLUG 1" SQ 16 GA
9	2	690750	FTG ASSY 1, .75 HOSE SPACING
10	2	737792	RH QUICK TJET LBO,3-TIP BODY .75
11	2	737796	RH QUICK TJET LBO, 5-TIP BODY .75
12	20	737817	NOZZLE BRACKET
13	4	737829	QUICK TJET LBO,1-TIP BODY .75
14	16	737830	QUICK TJET TEE,1-TIP BODY .75
15	2	737833	LH QUICK TJET LBO,3-TIP BODY .75
16	16	737834	QUICK TJET TEE,3-TIP BODY .75
17	2	737850	LH QUICK TJET LBO, 5-TIP BODY .75
18	16	737851	QUICK TJET TEE, 5-TIP BODY .75



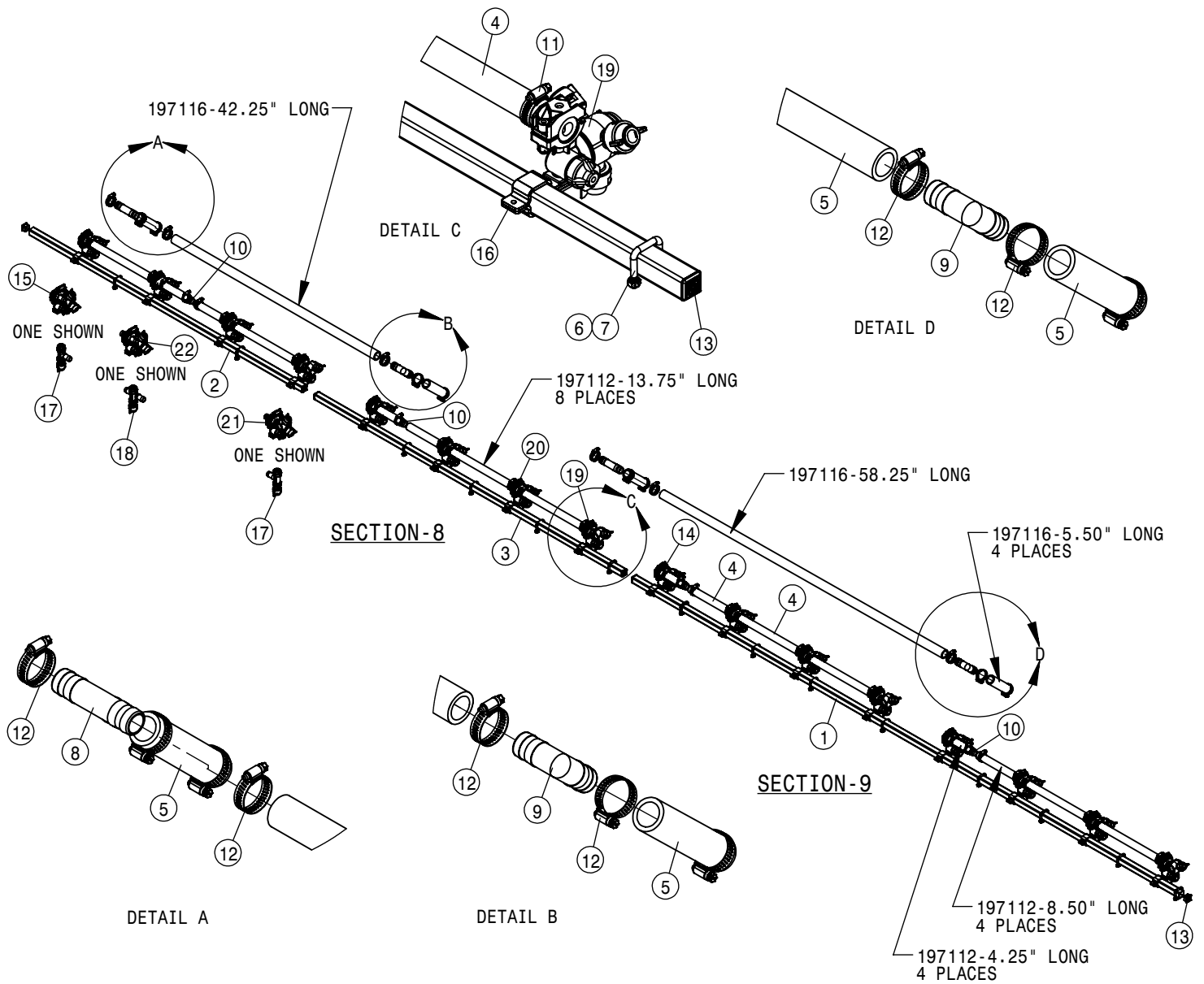
15" DRY BOOM SPACING, SECTION-5 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164491	1.000 SQ X 16GA X 124.00 C/L
2	9	197112	HOSE 3/4 1-FBR BR BLK EPDM
3	8	473842	1/4UNC LOCK NUT,CNTR POINT
4	4	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
5	3	500157	1" FLANGE GASKET EPDM
6	3	500159	1" FLANGE CLAMP S.S.
7	2	500170	1" FLANGE-3/4" HOSE BARB POLY
8	1	500173	1"FLANGE-90-1"HOSE BARB POLY
9	1	500175	1" FLANGE TEE, POLY
10	18	520055	HOSE CLAMP NO 12 STAINLESS
11	1	520090	HOSECLAMP NO 16 STAINLESS
12	2	629727	FINISH PLUG 1" SQ 16 GA
13	2	737792	RH QUICK TJET LBO,3-TIP BODY .75
14	2	737796	RH QUICK TJET LBO, 5-TIP BODY .75
15	9	737817	NOZZLE BRACKET
16	2	737829	QUICK TJET LBO,1-TIP BODY .75
17	7	737830	QUICK TJET TEE,1-TIP BODY .75
18	2	737833	LH QUICK TJET LBO,3-TIP BODY .75
19	14	737834	QUICK TJET TEE,3-TIP BODY .75
20	2	737850	LH QUICK TJET LBO, 5-TIP BODY .75
21	14	737851	QUICK TJET TEE, 5-TIP BODY .75



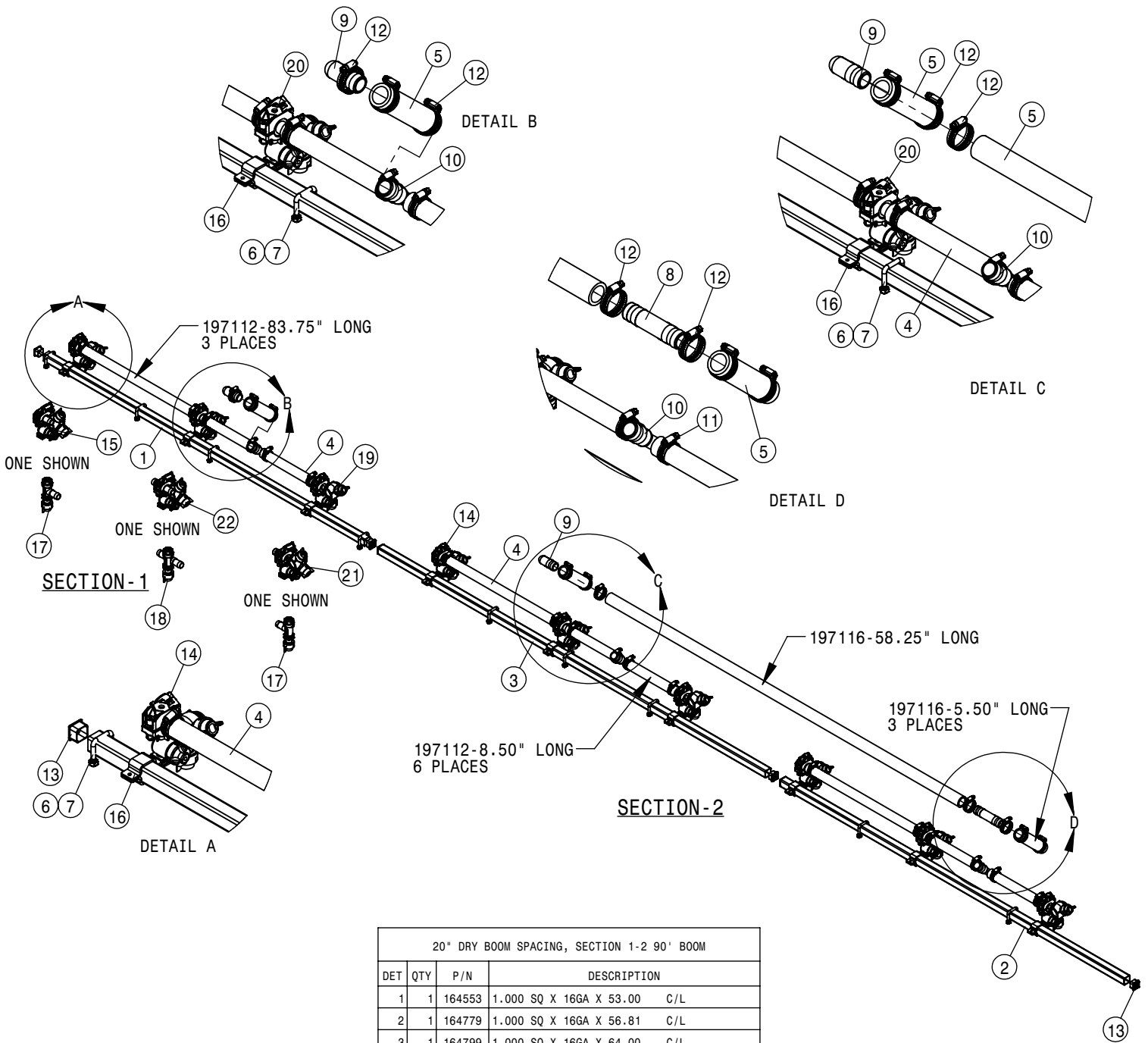
15" DRY BOOM SPACING, SECTION 6-7 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD, SECT-1 (B)
3	21	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	21	473842	1/4UNC LOCK NUT,CNTR POINT
5	10	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	6	500157	1" FLANGE GASKET EPDM
7	6	500159	1" FLANGE CLAMP S.S.
8	4	500170	1" FLANGE-3/4" HOSE BARB POLY
9	2	500173	1"FLANGE-90-1"HOSE BARB POLY
10	2	500175	1" FLANGE TEE, POLY
11	40	520055	HOSE CLAMP NO 12 STAINLESS
12	2	520090	HOSECLAMP NO 16 STAINLESS
13	2	629727	FINISH PLUG 1" SQ 16 GA
14	2	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	1	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	20	737817	NOZZLE BRACKET
17	4	737829	QUICK TJET LBO,1-TIP BODY .75
18	16	737830	QUICK TJET TEE,1-TIP BODY .75
19	2	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	16	737834	QUICK TJET TEE,3-TIP BODY .75
21	1	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	1	737851	QUICK TJET TEE, 5-TIP BODY .75



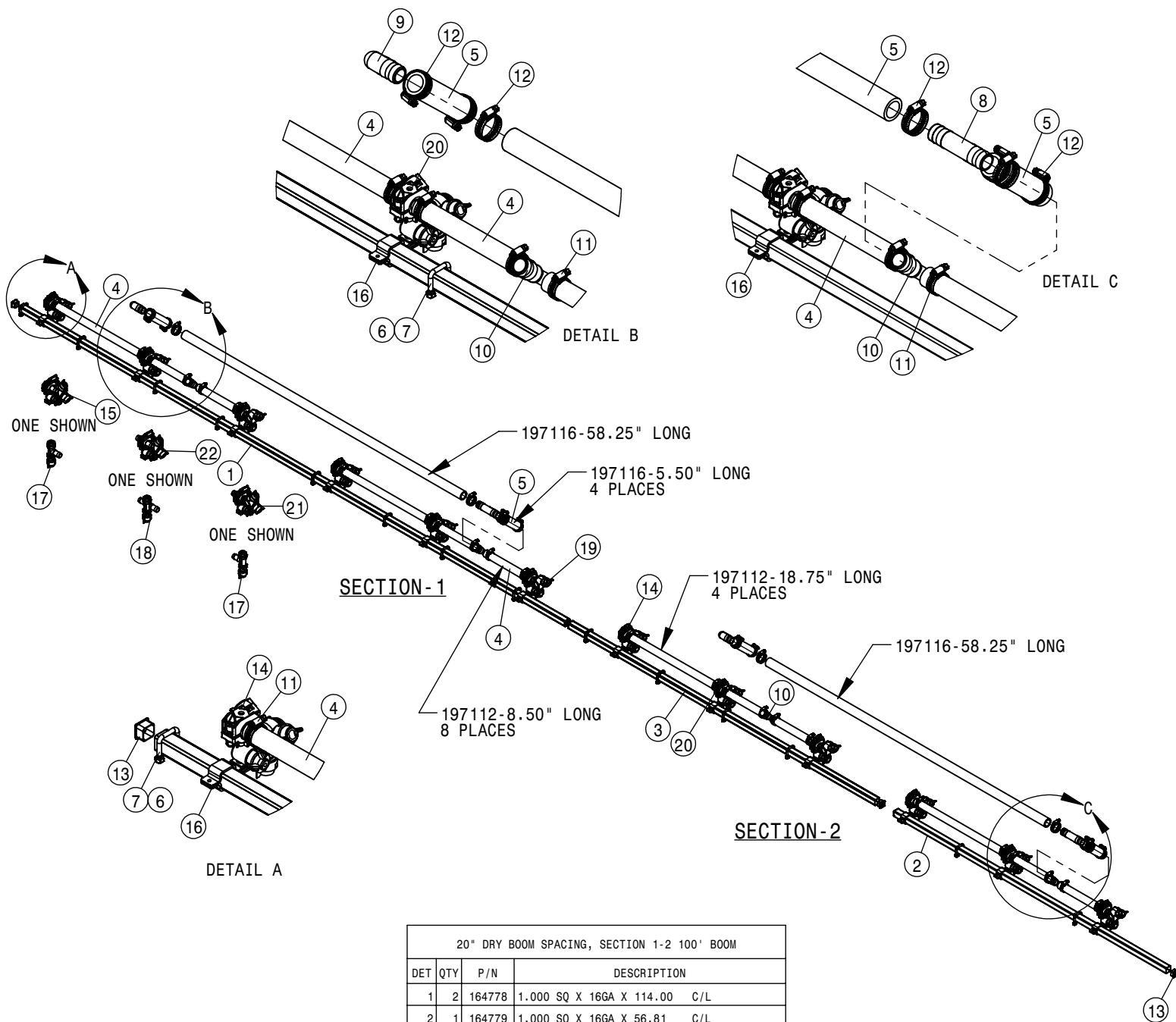
15" DRY BOOM SPACING, SECTION 8-9 90' BOOM				
DET	QTY	P/N	DESCRIPTION	
1	1	164553	1.000 SQ X 16GA X 53.00	C/L
2	1	164779	1.000 SQ X 16GA X 56.81	C/L
3	1	164799	1.000 SQ X 16GA X 64.00	C/L
4	12	197112	HOSE 3/4 1-FBR BR BLK EPDM	
5	4	197116	HOSE 1IN 1-FBR BR BLK EPDM	
6	19	473842	1/4UNC LOCK NUT,CNTR POINT	
7	11	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	1"BRNCH-3/4 HOSE BARB TEE,POLY	
11	24	520055	HOSE CLAMP NO 12 STAINLESS	
12	10	520090	HOSECLAMP NO 16 STAINLESS	
13	6	629727	FINISH PLUG 1" SQ 16 GA	
14	3	737792	RH QUICK TJET LBO,3-TIP BODY .75	
15	3	737796	RH QUICK TJET LBO, 5-TIP BODY .75	
16	12	737817	NOZZLE BRACKET	
17	6	737829	QUICK TJET LBO,1-TIP BODY .75	
18	6	737830	QUICK TJET TEE,1-TIP BODY .75	
19	3	737833	LH QUICK TJET LBO,3-TIP BODY .75	
20	6	737834	QUICK TJET TEE,3-TIP BODY .75	
21	3	737850	LH QUICK TJET LBO, 5-TIP BODY .75	
22	6	737851	QUICK TJET TEE, 5-TIP BODY .75	



15" DRY BOOM SPACING, SECTION 8-9 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164778	1.000 SQ X 16GA X 114.00 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	16	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	30	473842	1/4UNC LOCK NUT,CNTR POINT
7	17	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	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	31	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	1	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	20	737817	NOZZLE BRACKET
17	8	737829	QUICK TJET LBO,1-TIP BODY .75
18	8	737830	QUICK TJET TEE,1-TIP BODY .75
19	4	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	8	737834	QUICK TJET TEE,3-TIP BODY .75
21	1	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	1	737851	QUICK TJET TEE, 5-TIP BODY .75

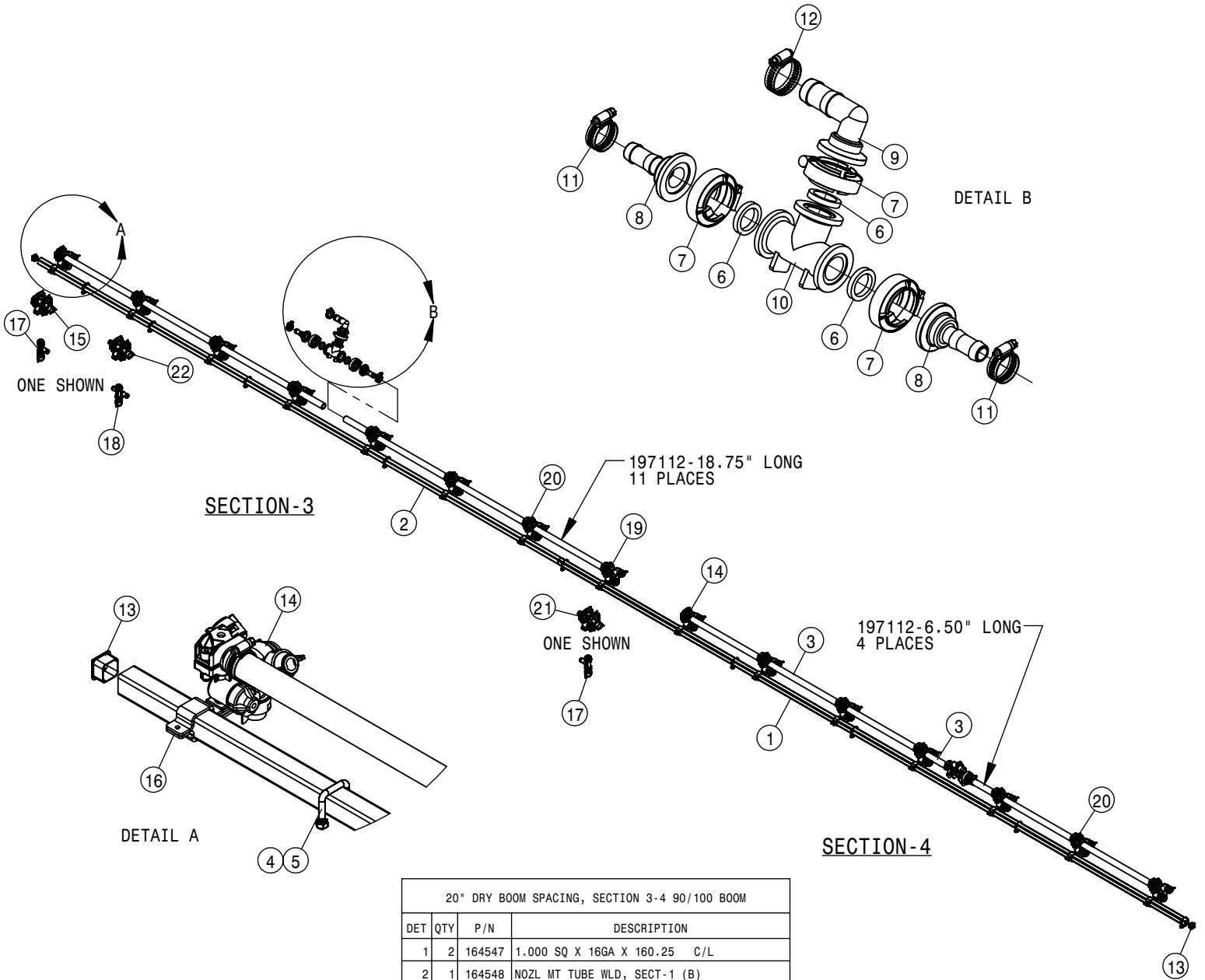


20" DRY BOOM SPACING, SECTION 1-2 90' BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164553	1.000 SQ X 16GA X 53.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	1	164799	1.000 SQ X 16GA X 64.00 C/L
4	12	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	4	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	18	473842	1/4UNC LOCK NUT,CNTR POINT
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	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	18	520055	HOSE CLAMP NO 12 STAINLESS
12	10	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	3	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	3	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	9	737817	NOZZLE BRACKET
17	6	737829	QUICK TJET LBO,1-TIP BODY .75
18	2	737830	QUICK TJET TEE,1-TIP BODY .75
19	3	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	3	737834	QUICK TJET TEE,3-TIP BODY .75
21	3	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	6	737851	QUICK TJET TEE, 5-TIP BODY .75

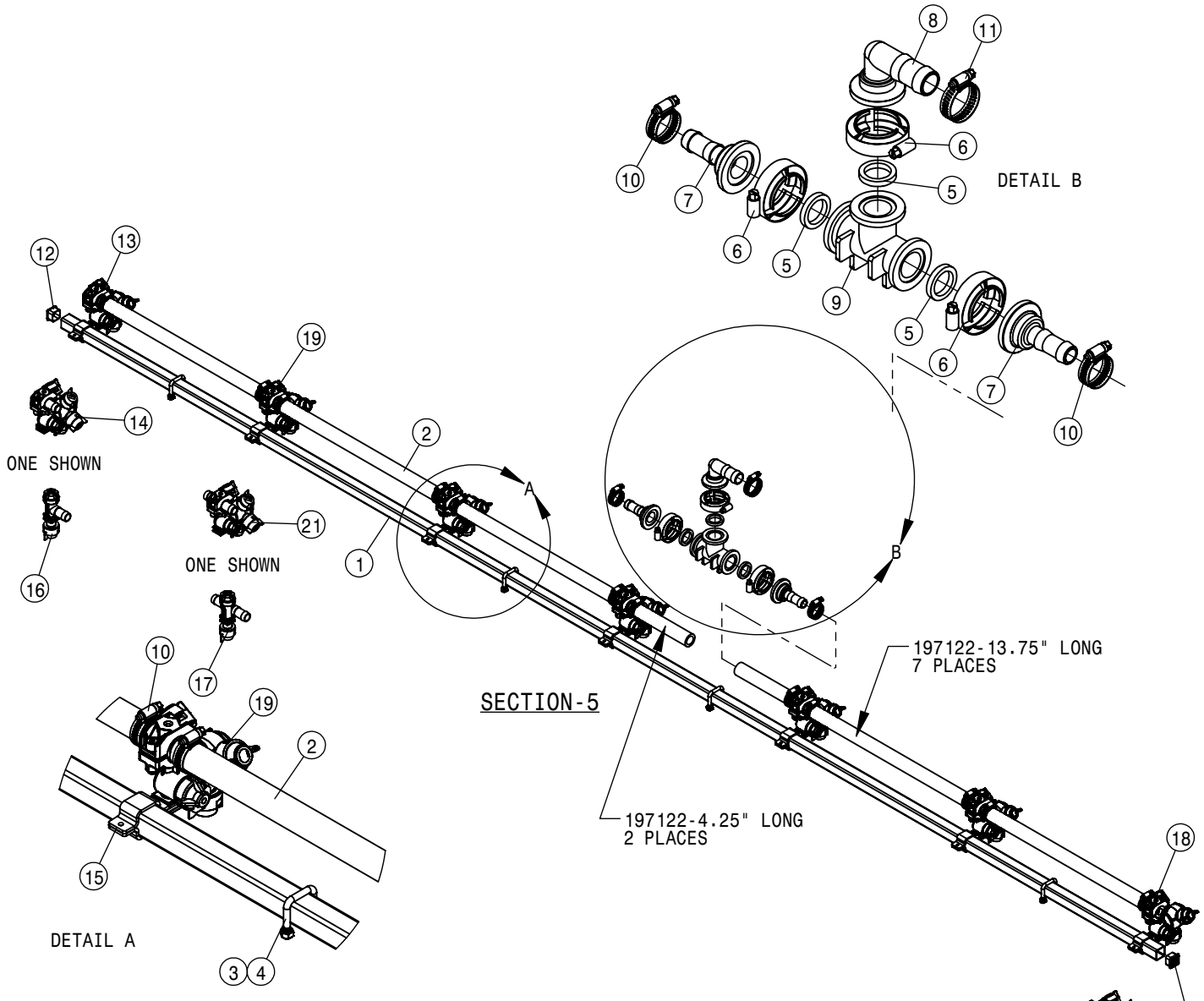


20" DRY BOOM SPACING, SECTION 1-2 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	164778	1.000 SQ X 16GA X 114.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	2	164799	1.000 SQ X 16GA X 64.00 C/L
4	12	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	28	473842	1/4UNC LOCK NUT,CNTR POINT
7	18	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	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	24	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	4	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	12	737817	NOZZLE BRACKET
17	8	737829	QUICK TJET LBO,1-TIP BODY .75
18	4	737830	QUICK TJET TEE,1-TIP BODY .75
19	4	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	4	737834	QUICK TJET TEE,3-TIP BODY .75
21	4	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	4	737851	QUICK TJET TEE, 5-TIP BODY .75

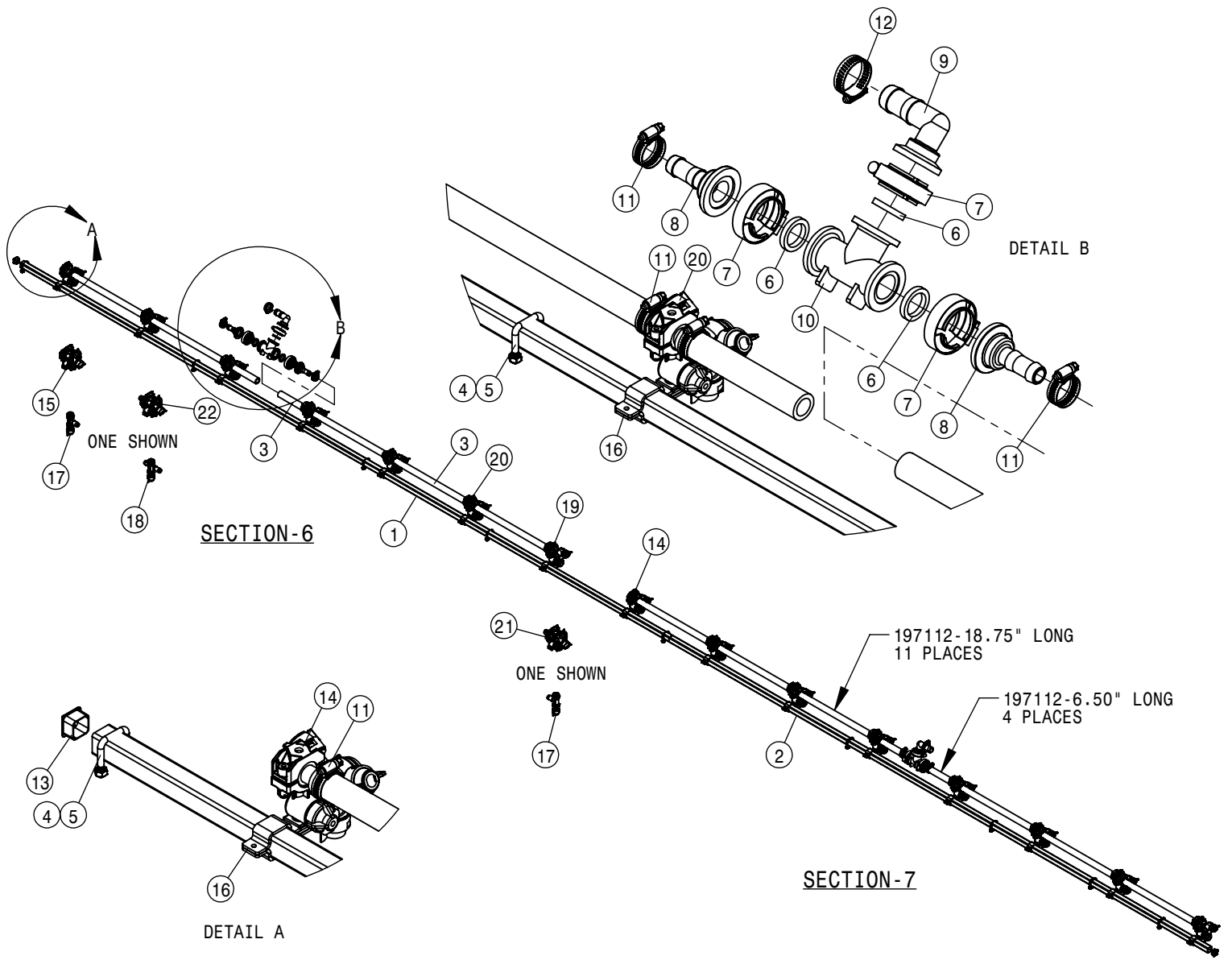




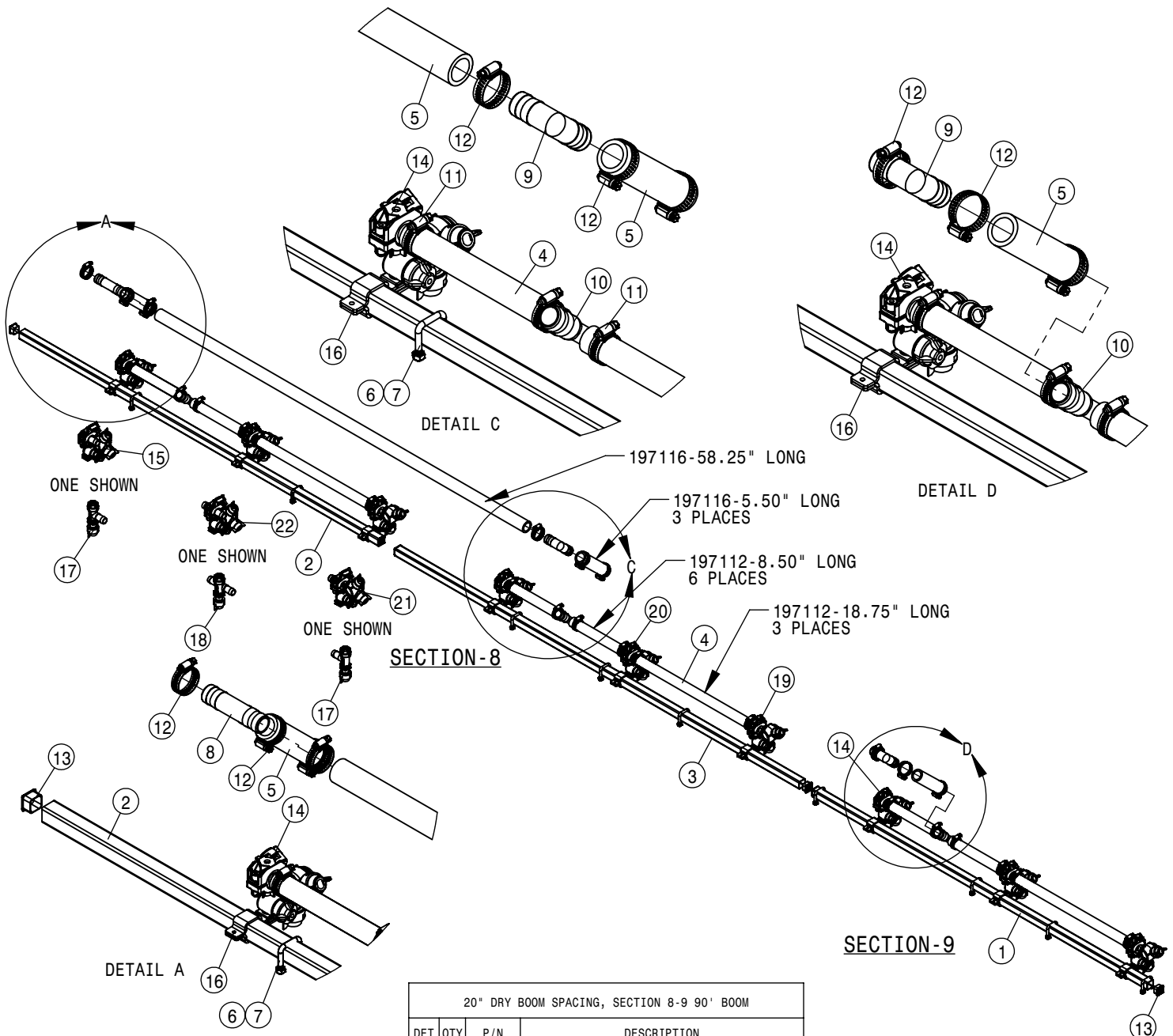
20" DRY BOOM SPACING, SECTION 3-4 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD, SECT-1 (B)
3	15	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	18	473842	1/4UNC LOCK NUT,CNTR POINT
5	12	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	6	500157	1" FLANGE GASKET EPDM
7	6	500159	1" FLANGE CLAMP S.S.
8	4	500170	1" FLANGE-3/4" HOSE BARB POLY
9	2	500173	1"FLANGE-90-1"HOSE BARB POLY
10	2	500175	1" FLANGE TEE, POLY
11	30	520055	HOSE CLAMP NO 12 STAINLESS
12	2	520090	HOSECLAMP NO 16 STAINLESS
13	2	629727	FINISH PLUG 1" SQ 16 GA
14	2	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	2	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	15	737817	NOZZLE BRACKET
17	4	737829	QUICK TJET LBO,1-TIP BODY .75
18	11	737830	QUICK TJET TEE,1-TIP BODY .75
19	2	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	11	737834	QUICK TJET TEE,3-TIP BODY .75
21	2	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	11	737851	QUICK TJET TEE, 5-TIP BODY .75



20" DRY BOOM SPACING, SECTION-5 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164491	1.000 SQ X 16GA X 124.00 C/L
2	7	197112	HOSE 3/4 1-FBR BR BLK EPDM
3	8	473842	1/4UNC LOCK NUT,CNTR POINT
4	4	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
5	3	500157	1" FLANGE GASKET EPDM
6	3	500159	1" FLANGE CLAMP S.S.
7	2	500170	1" FLANGE-3/4" HOSE BARB POLY
8	1	500173	1"FLANGE-90-1"HOSE BARB POLY
9	1	500175	1" FLANGE TEE, POLY
10	14	520055	HOSE CLAMP NO 12 STAINLESS
11	1	520090	HOSECLAMP NO 16 STAINLESS
12	2	629727	FINISH PLUG 1" SQ 16 GA
13	2	737792	RH QUICK TJET LBO,3-TIP BODY .75
14	2	737796	RH QUICK TJET LBO, 5-TIP BODY .75
15	7	737817	NOZZLE BRACKET
16	2	737829	QUICK TJET LBO,1-TIP BODY .75
17	5	737830	QUICK TJET TEE,1-TIP BODY .75
18	2	737833	LH QUICK TJET LBO,3-TIP BODY .75
19	10	737834	QUICK TJET TEE,3-TIP BODY .75
20	2	737850	LH QUICK TJET LBO, 5-TIP BODY .75
21	10	737851	QUICK TJET TEE, 5-TIP BODY .75

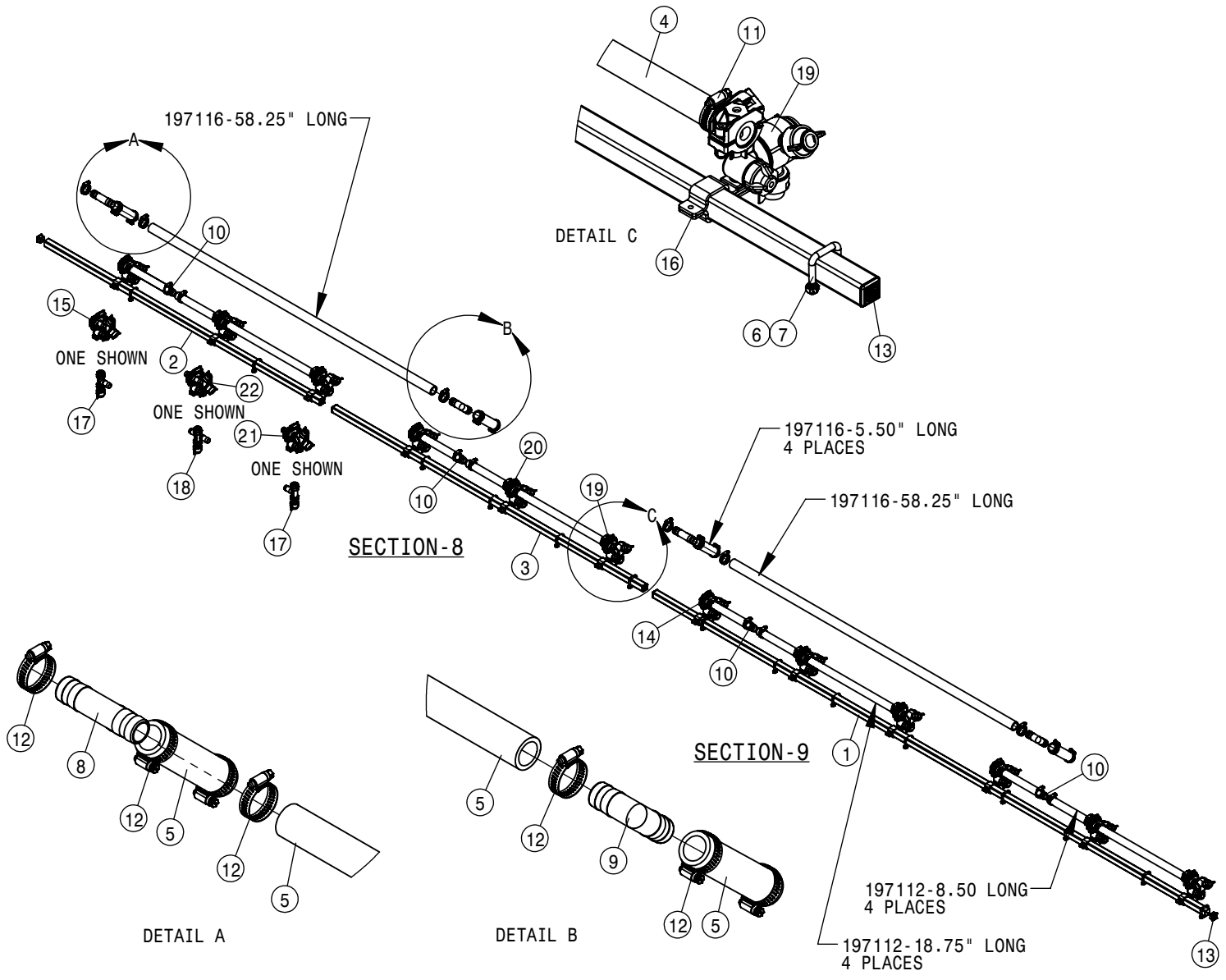


20" DRY BOOM SPACING, SECTION 6-7 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164547	1.000 SQ X 16GA X 160.25 C/L
2	1	164548	NOZL MT TUBE WLD, SECT-1 (B)
3	15	197112	HOSE 3/4 1-FBR BR BLK EPDM
4	21	473842	1/4UNC LOCK NUT, CNTR POINT
5	10	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
6	6	500157	1" FLANGE GASKET EPDM
7	6	500159	1" FLANGE CLAMP S.S.
8	4	500170	1" FLANGE-3/4" HOSE BARB POLY
9	2	500173	1"FLANGE-90-1"HOSE BARB POLY
10	2	500175	1" FLANGE TEE, POLY
11	30	520055	HOSE CLAMP NO 12 STAINLESS
12	2	520090	HOSECLAMP NO 16 STAINLESS
13	2	629727	FINISH PLUG 1" SQ 16 GA
14	2	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	2	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	15	737817	NOZZLE BRACKET
17	4	737829	QUICK TJET LBO,1-TIP BODY .75
18	11	737830	QUICK TJET TEE,1-TIP BODY .75
19	2	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	11	737834	QUICK TJET TEE,3-TIP BODY .75
21	2	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	11	737851	QUICK TJET TEE, 5-TIP BODY .75

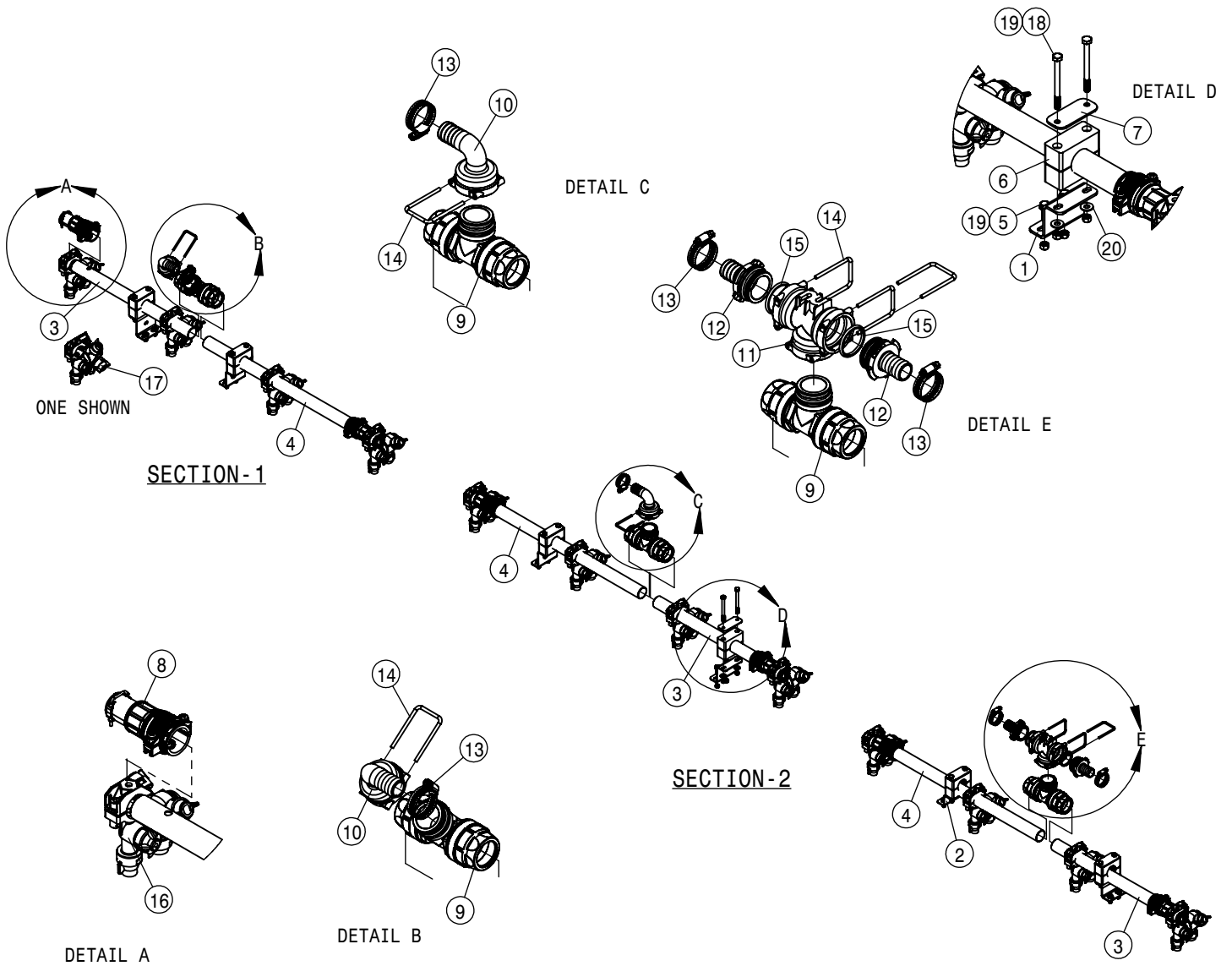


20" DRY BOOM SPACING, SECTION 8-9 90' BOOM

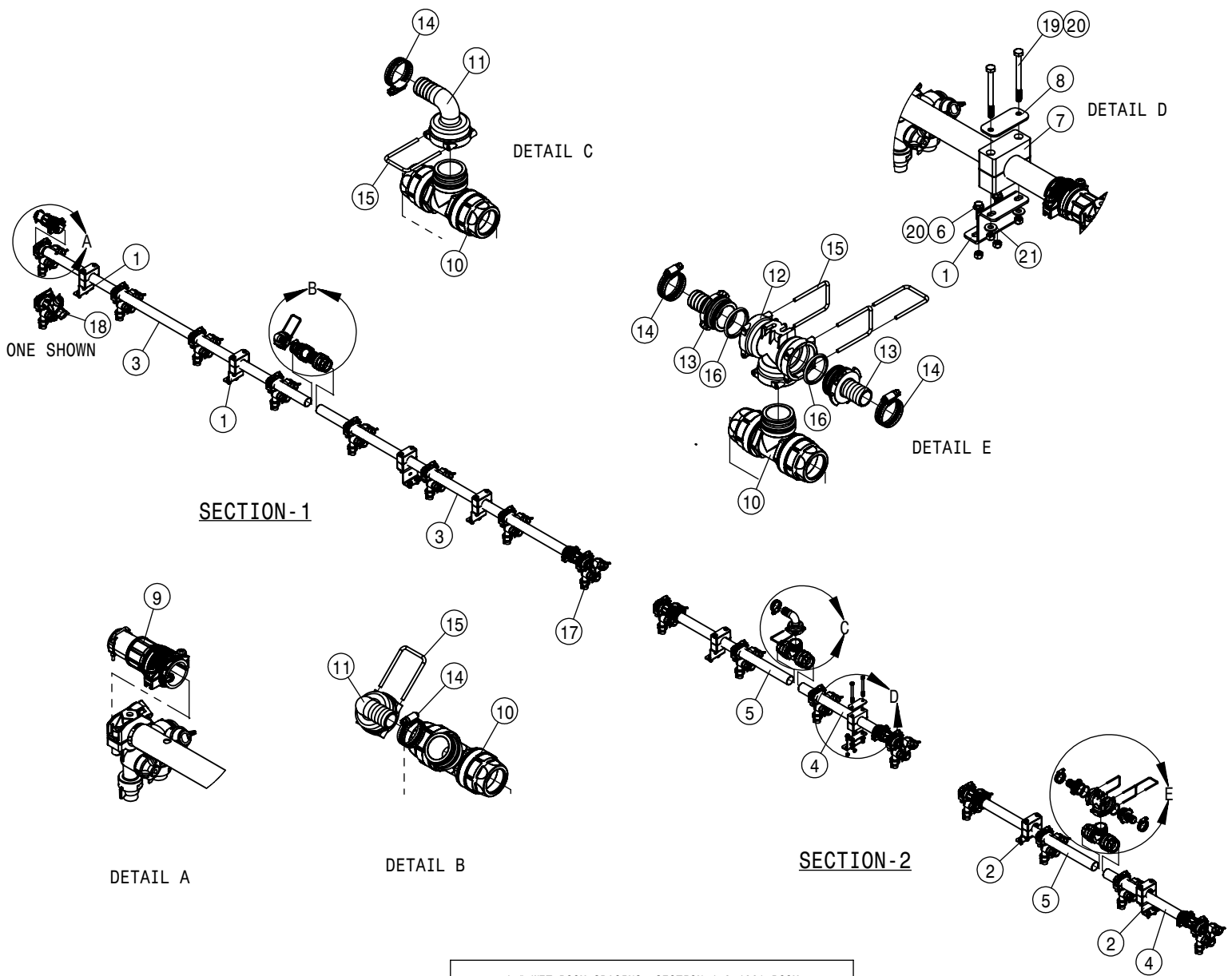
DET	QTY	P/N	DESCRIPTION
1	1	164553	1.000 SQ X 16GA X 53.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	1	164799	1.000 SQ X 16GA X 64.00 C/L
4	10	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	4	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	19	473842	1/4UNC LOCK NUT,CNTR POINT
7	11	473979	1/4UNC-1 1/8ID-1 1/2U-BOLTSQSS
8	1	500105	1.00 HOSE BARB TEE, POLY
9	2	500109	1.00-90-1.00 HOSE BARB, POLY
10	3	500121	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	18	520055	HOSE CLAMP NO 12 STAINLESS
12	10	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	3	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	3	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	9	737817	NOZZLE BRACKET
17	6	737829	QUICK TJET LBO,1-TIP BODY .75
18	3	737830	QUICK TJET TEE,1-TIP BODY .75
19	3	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	3	737834	QUICK TJET TEE,3-TIP BODY .75
21	3	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	3	737851	QUICK TJET TEE, 5-TIP BODY .75



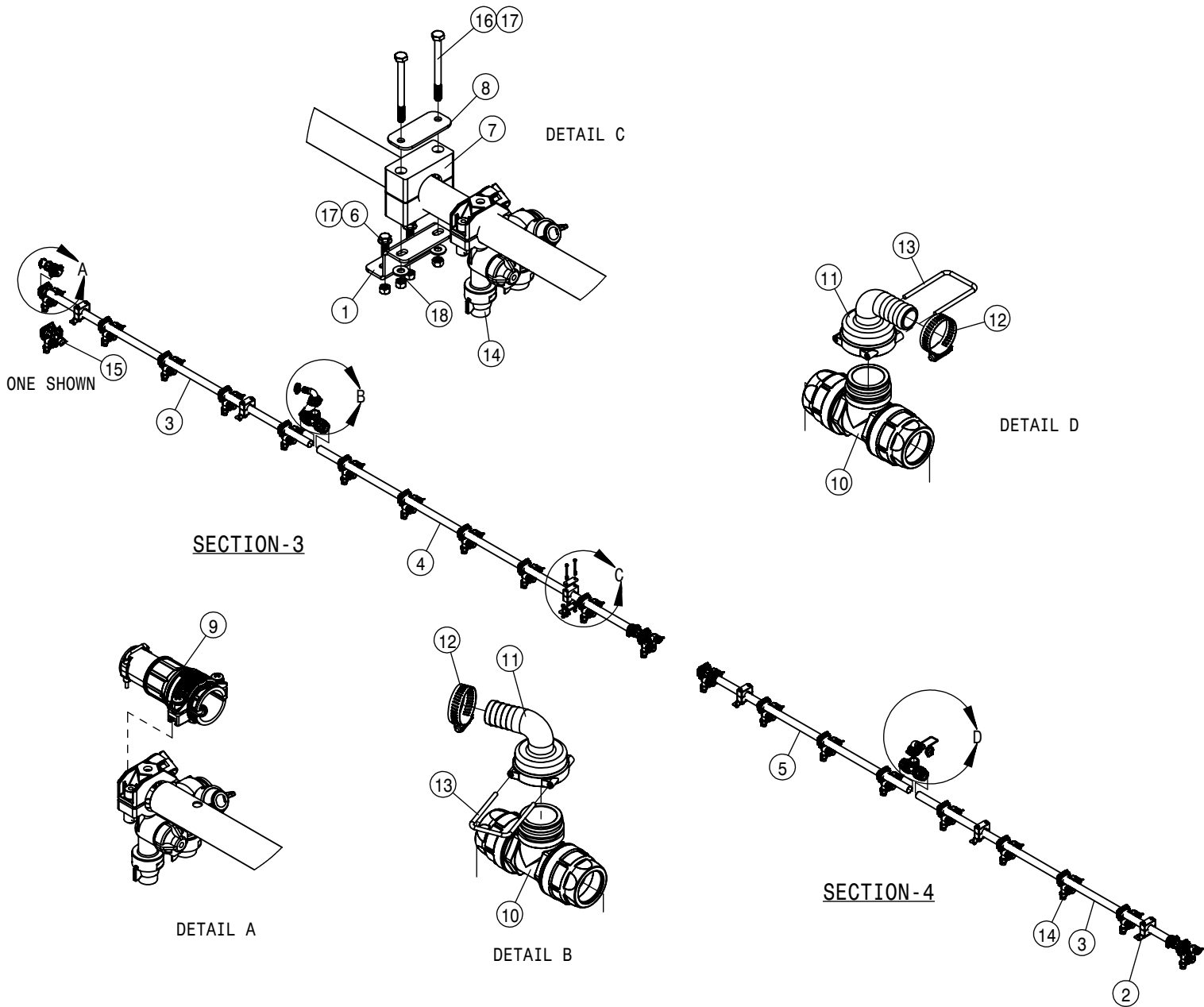
20" DRY BOOM SPACING, SECTION 8-9 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	164778	1.000 SQ X 16GA X 114.00 C/L
2	1	164779	1.000 SQ X 16GA X 56.81 C/L
3	1	164799	1.000 SQ X 16GA X 64.00 C/L
4	13	197112	HOSE 3/4 1-FBR BR BLK EPDM
5	6	197116	HOSE 1IN 1-FBR BR BLK EPDM
6	30	473842	1/4UNC LOCK NUT,CNTR POINT
7	17	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	1"BRNCH-3/4 HOSE BARB TEE,POLY
11	24	520055	HOSE CLAMP NO 12 STAINLESS
12	14	520090	HOSECLAMP NO 16 STAINLESS
13	6	629727	FINISH PLUG 1" SQ 16 GA
14	4	737792	RH QUICK TJET LBO,3-TIP BODY .75
15	4	737796	RH QUICK TJET LBO, 5-TIP BODY .75
16	12	737817	NOZZLE BRACKET
17	8	737829	QUICK TJET LBO,1-TIP BODY .75
18	4	737830	QUICK TJET TEE,1-TIP BODY .75
19	4	737833	LH QUICK TJET LBO,3-TIP BODY .75
20	4	737834	QUICK TJET TEE,3-TIP BODY .75
21	4	737850	LH QUICK TJET LBO, 5-TIP BODY .75
22	4	737851	QUICK TJET TEE, 5-TIP BODY .75



15" WET BOOM SPACING, SECTION 1-2 90' BOOM			
DET	QTY	P/N	DESCRIPTION
1	4	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	3	167235	15" WET BOOM TUBE, 17.32 LG
4	3	167236	15" WET BOOM TUBE, 24.00 LG
5	12	470118	1/4 UNC X 3/4 SER FLG BOLT
6	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
7	6	470376	COVER PLATE FOR 470375
8	6	500295	NOZZLE BODY END CAP
9	3	500296	EASY FIT TEE 1" PIPE
10	2	500299	T5 TO 25MM HB 90
11	1	500300	T5 FEMALE TEE
12	2	500301	T5 MALE TO 25MM HB
13	4	520090	HOSECLAMP NO 16 STAINLESS
14	5	737738	FORK,D.3 DIST.42 (737731)
15	2	737763	O-RING, 1 1/4"CONN EPDM
16	12	737921	QUICK TJET 3-TIP BODY,1" HV
17	12	737925	QUICK TJET 5 + 1-TIP BODY 1"
18	12	900010	1/4UNC X 3" HEX BOLT
19	24	914000	1/4UNC HEX STOVER NUT
20	12	920000	1/4 SAE FLAT WASHER

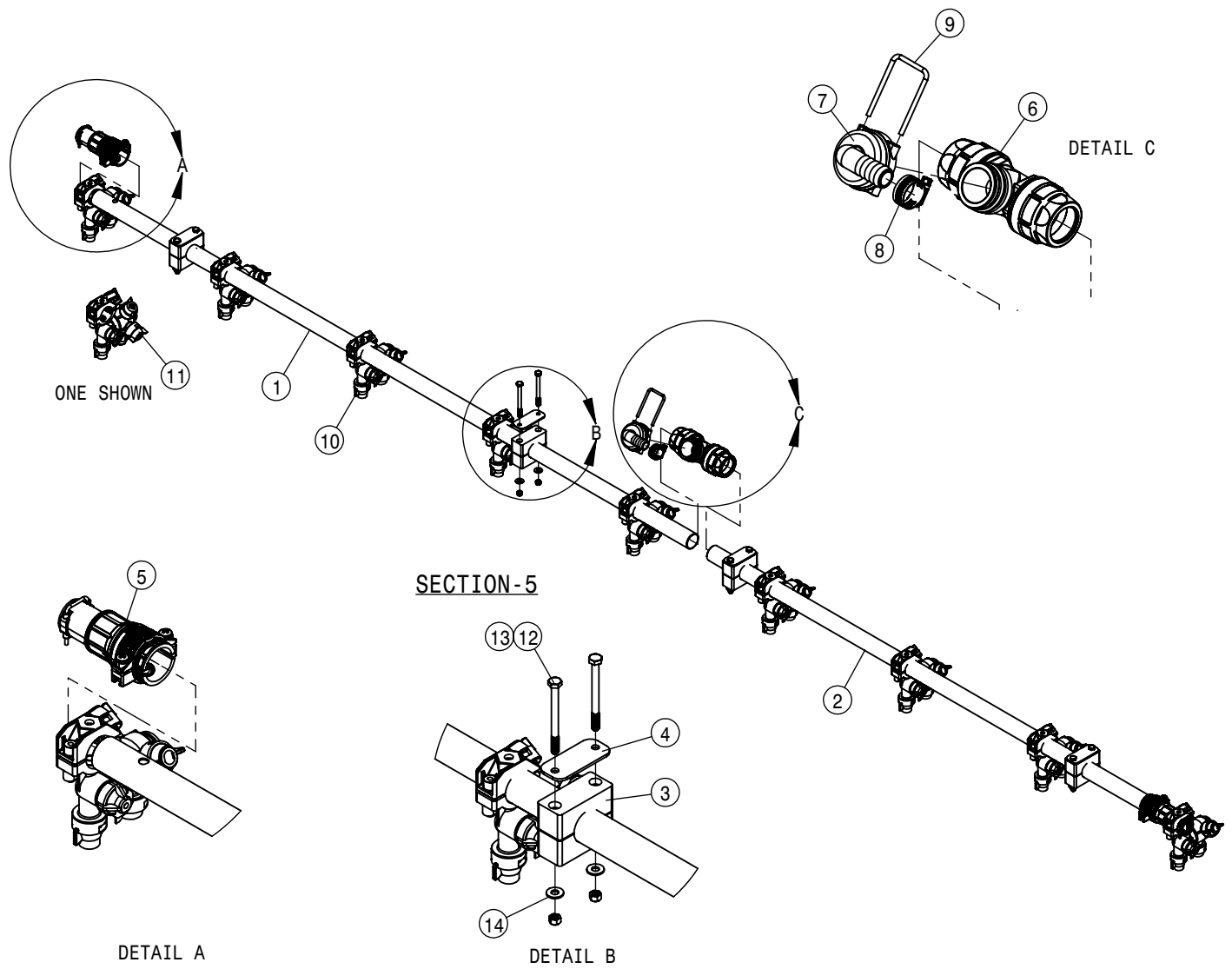


15" WET BOOM SPACING, SECTION 1-2 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	6	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	2	167229	15" WET BOOM TUBE, 50.66 LG
4	2	167235	15" WET BOOM TUBE, 17.32 LG
5	2	167236	15" WET BOOM TUBE, 24.00 LG
6	16	470118	1/4 UNC X 3/4 SER FLG BOLT
7	8	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
8	8	470376	COVER PLATE FOR 470375
9	6	500295	NOZZLE BODY END CAP
10	3	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	1	500300	T5 FEMALE TEE
13	2	500301	T5 MALE TO 25MM HB
14	4	520090	HOSECLAMP NO 16 STAINLESS
15	5	737738	FORK,D.3 DIST.42 (737731)
16	2	737763	O-RING, 1 1/4"CONN EPDM
17	16	737921	QUICK TJET 3-TIP BODY,1" HV
18	16	737925	QUICK TJET 5 + 1-TIP BODY 1"
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



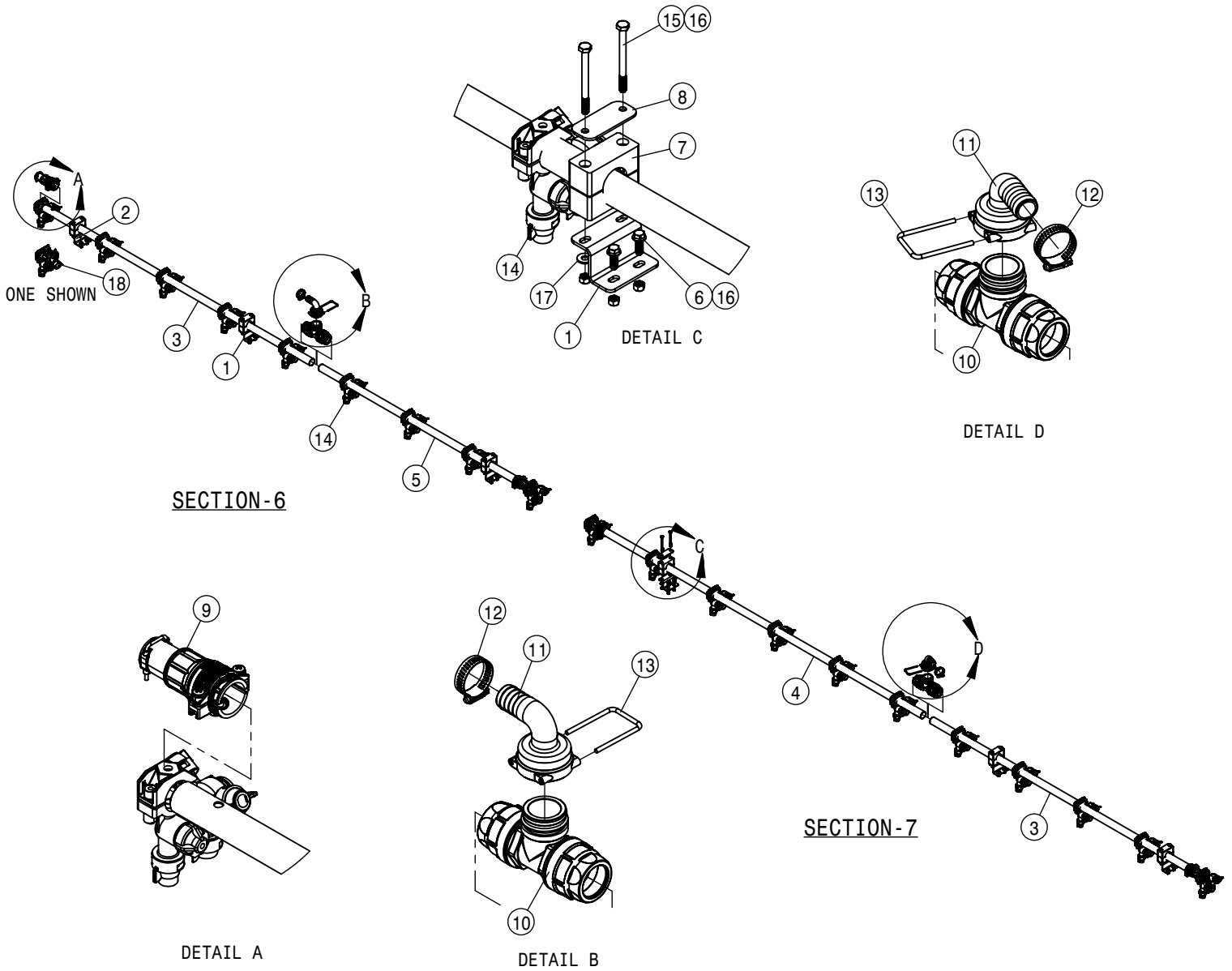
15" WET BOOM SPACING, SECTION 3-4 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	5	164859	CLAMP MT BRKT, WET BOOM, STS 04
2	1	164916	Z-BRKT, WET BOOM SECT 1, STS
3	2	167225	15" WET BOOM TUBE, 65.66 LG
4	1	167228	15" WET BOOM TUBE, 80.66 LG
5	1	167229	15" WET BOOM TUBE, 50.66 LG
6	12	470118	1/4 UNC X 3/4 SER FLG BOLT
7	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
8	6	470376	COVER PLATE FOR 470375
9	4	500295	NOZZLE BODY END CAP
10	2	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	2	520090	HOSECLAMP NO 16 STAINLESS
13	2	737738	FORK, D.3 DIST.42 (737731)
14	20	737921	QUICK TJET 3-TIP BODY, 1" HV
15	20	737925	QUICK TJET 5 + 1-TIP BODY 1"
16	12	900010	1/4UNC X 3" HEX BOLT
17	24	914000	1/4UNC HEX STOVER NUT
18	12	920000	1/4 SAE FLAT WASHER



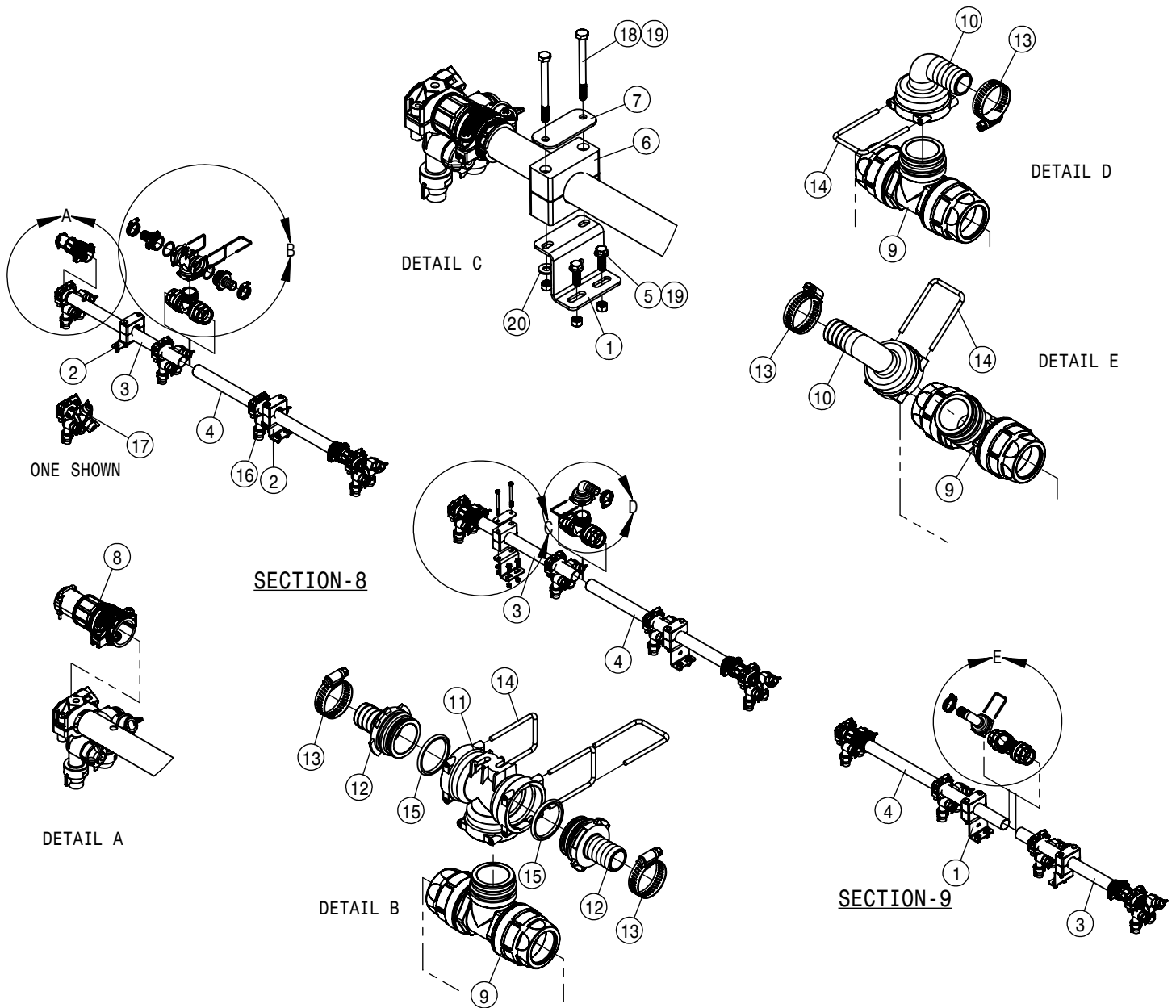


15" WET BOOM SPACING, SECTION-5 90/100 BOOM

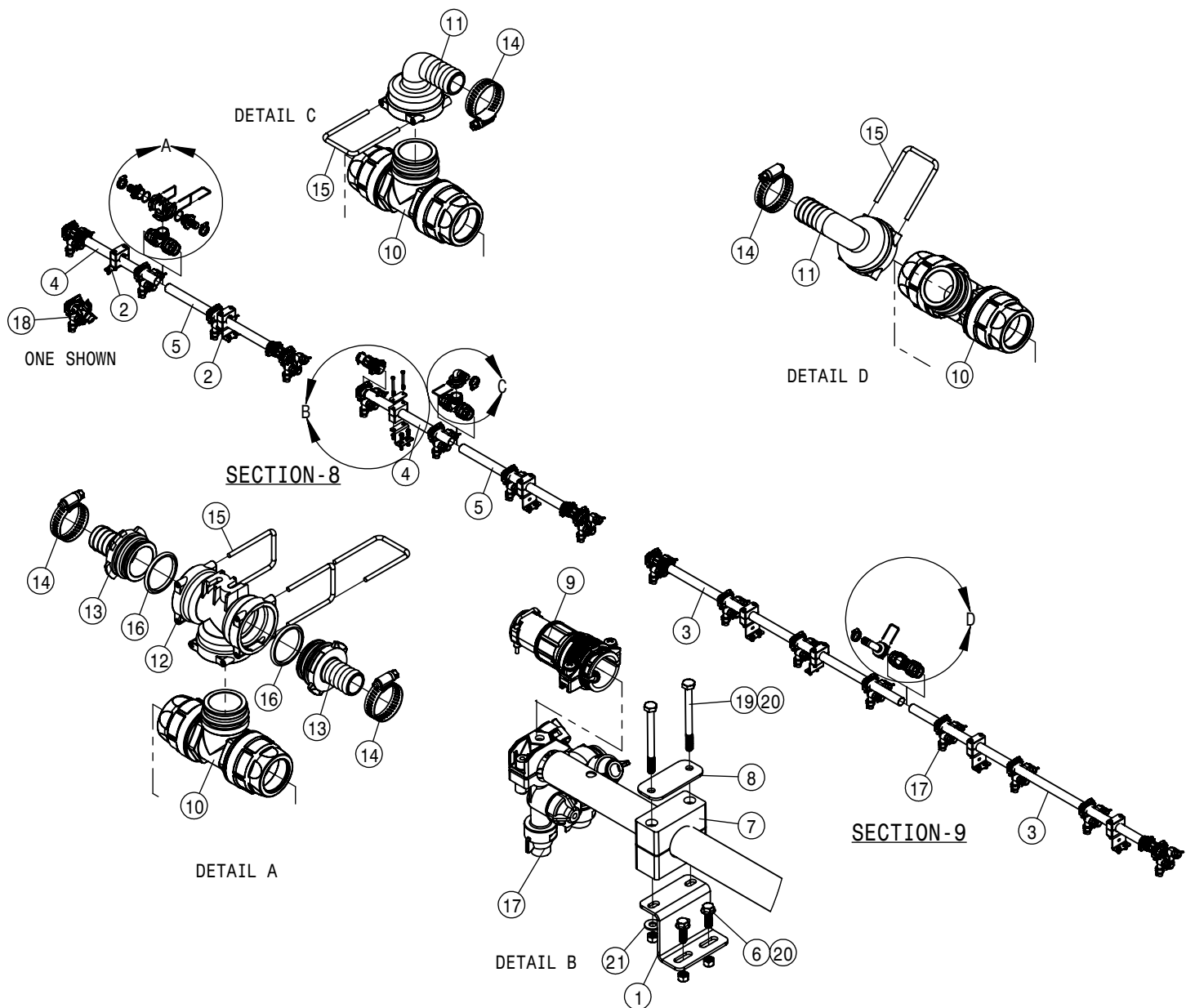
DET	QTY	P/N	DESCRIPTION
1	1	167225	15" WET BOOM TUBE, 65.66 LG
2	1	167229	15" WET BOOM TUBE, 50.66 LG
3	4	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
4	4	470376	COVER PLATE FOR 470375
5	2	500295	NOZZLE BODY END CAP
6	1	500296	EASY FIT TEE 1" PIPE
7	1	500297	T5 TO 20MM HB 90
8	1	520080	HOSE CLAMP NO 10 STAINLESS
9	1	737738	FORK,D.3 DIST.42 (737731)
10	9	737921	QUICK TJET 3-TIP BODY,1" HV
11	9	737925	QUICK TJET 5 + 1-TIP BODY 1"
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



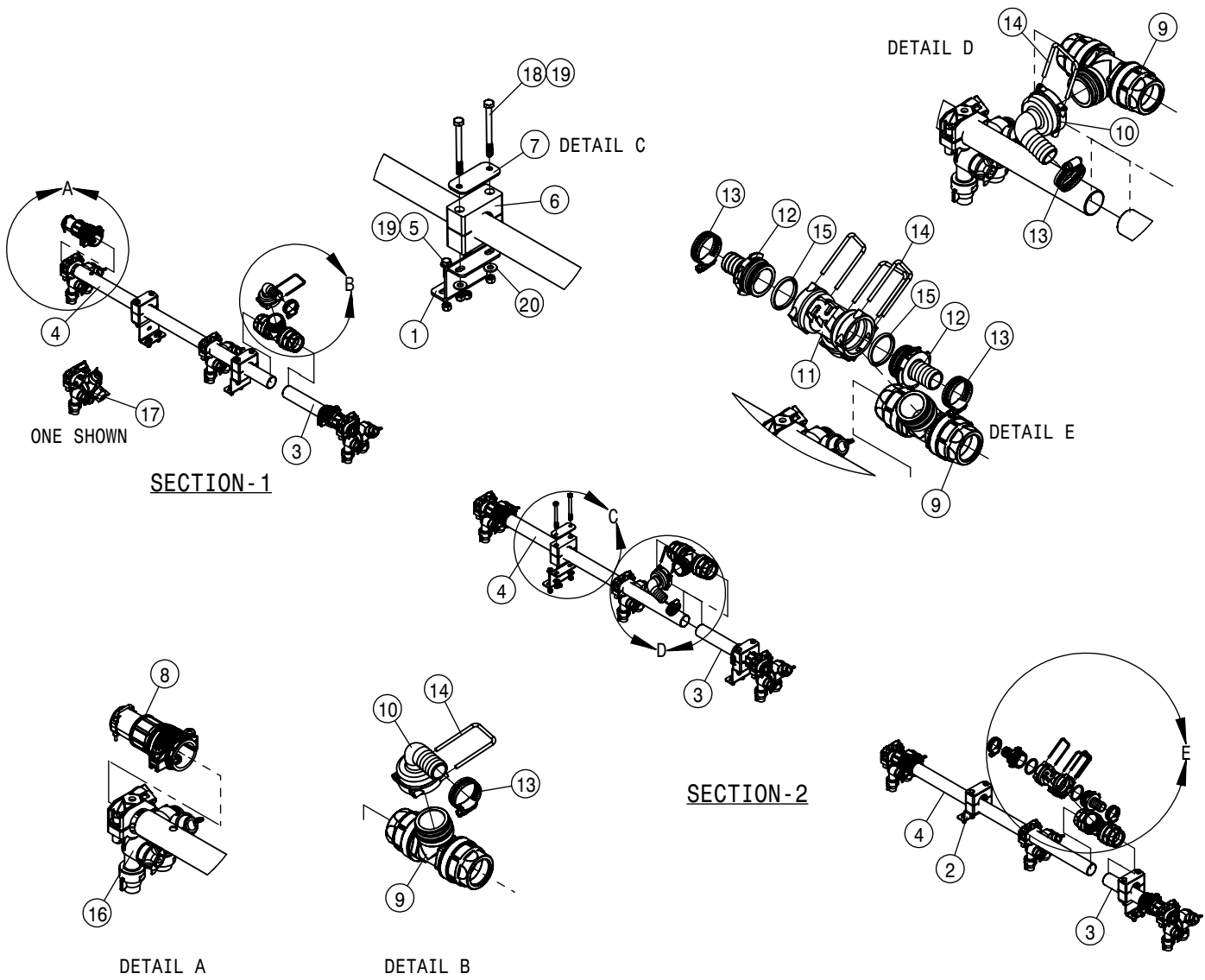
15" WET BOOM SPACING, SECTION 6-7 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	5	164859	CLAMP MT BRKT, WET BOOM, STS 04
2	1	164916	Z-BRKT, WET BOOM SECT 1, STS
3	2	167225	15" WET BOOM TUBE, 65.66 LG
4	1	167228	15" WET BOOM TUBE, 80.66 LG
5	1	167229	15" WET BOOM TUBE, 50.66 LG
6	12	470118	1/4 UNC X 3/4 SER FLG BOLT
7	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
8	6	470376	COVER PLATE FOR 470375
9	4	500295	NOZZLE BODY END CAP
10	2	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	2	520090	HOSECLAMP NO 16 STAINLESS
13	2	737738	FORK, D.3 DIST.42 (737731)
14	20	737921	QUICK TJET 3-TIP BODY, 1" HV
15	12	900010	1/4UNC X 3" HEX BOLT
16	24	914000	1/4UNC HEX STOVER NUT
17	12	920000	1/4 SAE FLAT WASHER
18	20	737925	QUICK TJET 5 + 1-TIP BODY 1"



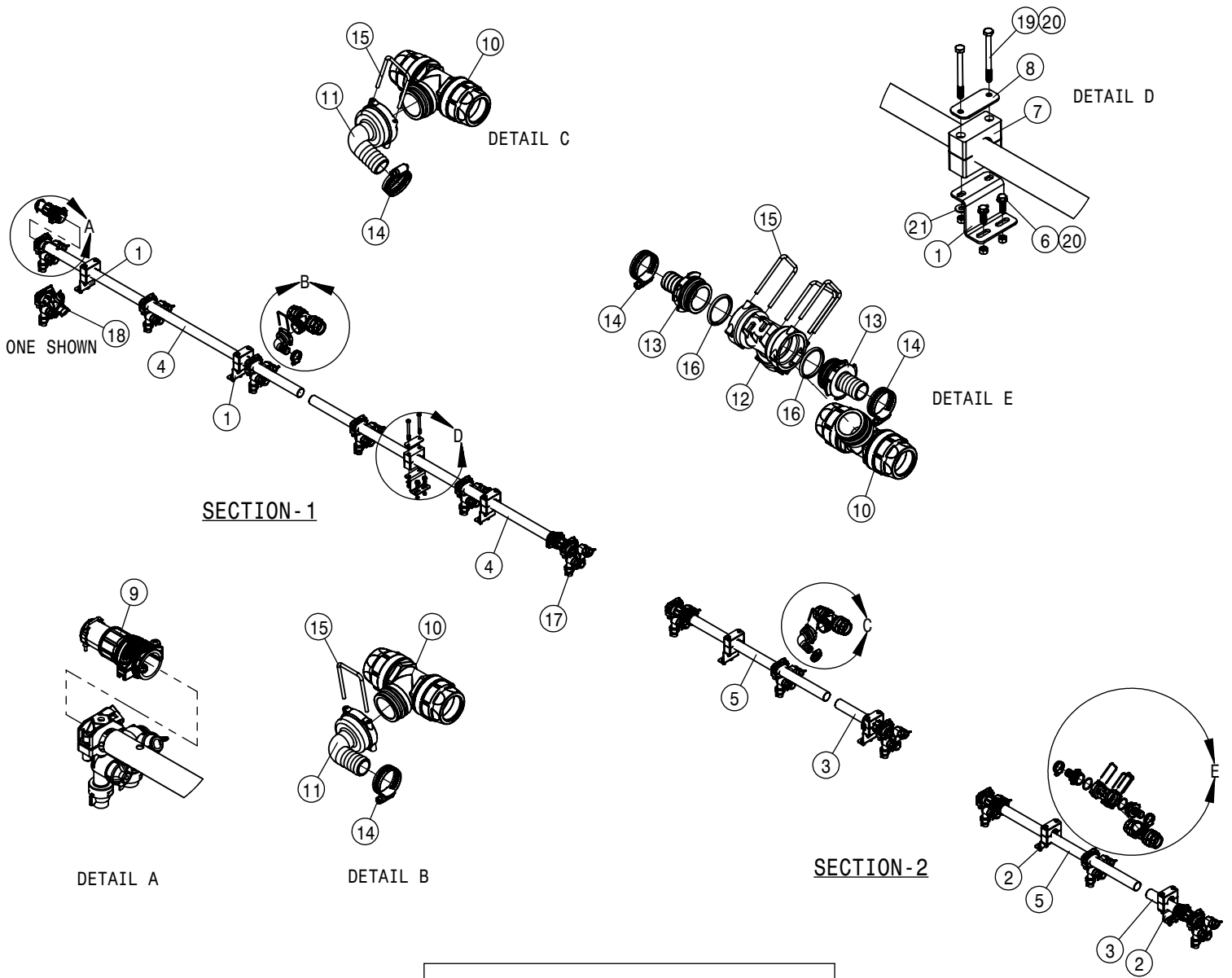
15" WET BOOM SPACING, SECTION 8-9 90' BOOM			
DET	QTY	P/N	DESCRIPTION
1	4	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	3	167235	15" WET BOOM TUBE, 17.32 LG
4	3	167236	15" WET BOOM TUBE, 24.00 LG
5	12	470118	1/4 UNC X 3/4 SER FLG BOLT
6	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
7	6	470376	COVER PLATE FOR 470375
8	6	500295	NOZZLE BODY END CAP
9	3	500296	EASY FIT TEE 1" PIPE
10	2	500299	T5 TO 25MM HB 90
11	1	500300	T5 FEMALE TEE
12	2	500301	T5 MALE TO 25MM HB
13	4	520090	HOSECLAMP NO 16 STAINLESS
14	5	737738	FORK,D.3 DIST.42 (737731)
15	2	737763	O-RING, 1 1/4"CONN EPDM
16	12	737921	QUICK TJET 3-TIP BODY,1" HV
17	12	737925	QUICK TJET 5 + 1-TIP BODY 1"
18	12	900010	1/4UNC X 3" HEX BOLT
19	24	914000	1/4UNC HEX STOVER NUT
20	12	920000	1/4 SAE FLAT WASHER



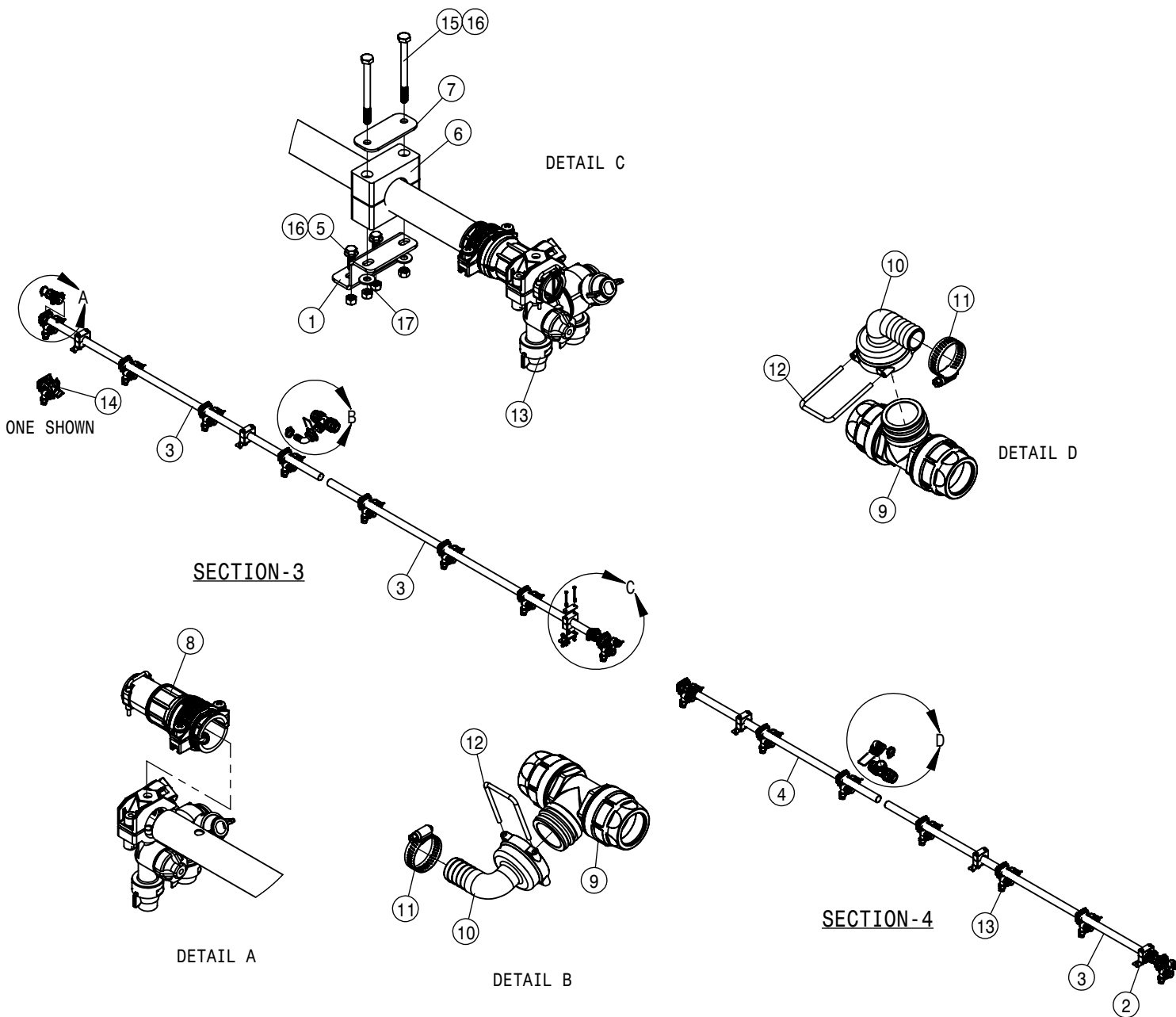
15" WET BOOM SPACING, SECTION 8-9 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	6	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	2	167229	15" WET BOOM TUBE, 50.66 LG
4	2	167235	15" WET BOOM TUBE, 17.32 LG
5	2	167236	15" WET BOOM TUBE, 24.00 LG
6	16	470118	1/4 UNC X 3/4 SER FLG BOLT
7	8	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
8	8	470376	COVER PLATE FOR 470375
9	6	500295	NOZZLE BODY END CAP
10	3	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	1	500300	T5 FEMALE TEE
13	2	500301	T5 MALE TO 25MM HB
14	4	520090	HOSECLAMP NO 16 STAINLESS
15	5	737738	FORK, D.3 DIST.42 (737731)
16	2	737763	O-RING, 1 1/4" CONN EPDM
17	16	737921	QUICK TJET 3-TIP BODY, 1" HV
18	16	737925	QUICK TJET 5 + 1-TIP BODY 1"
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



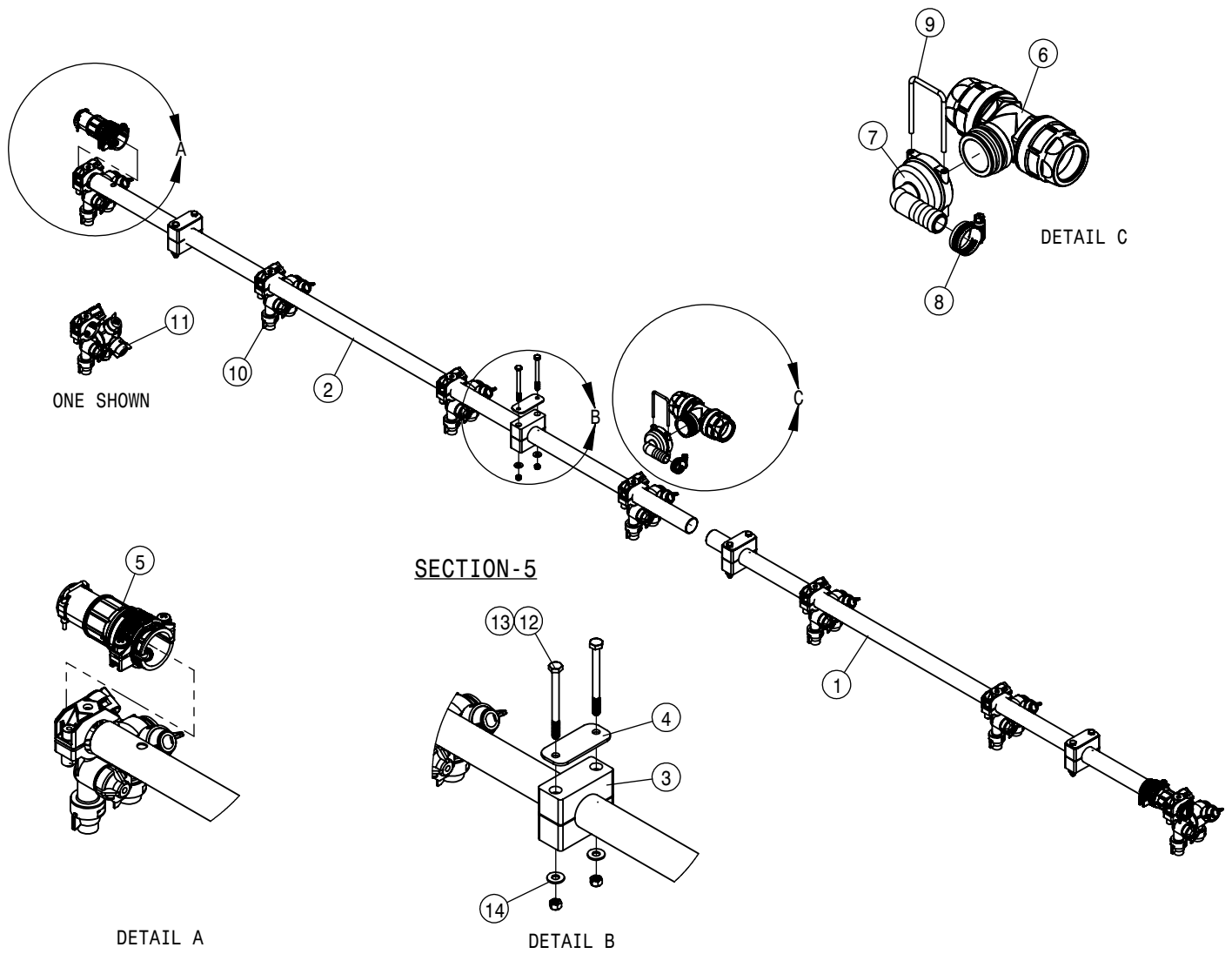
20" WET BOOM SPACING, SECTION 1-2 90' BOOM			
DET	QTY	P/N	DESCRIPTION
1	4	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	3	167234	20" WET BOOM TUBE, 8.13 LG
4	3	167263	20" WET BOOM TUBE, 28.13 LG
5	12	470118	1/4 UNC X 3/4 SER FLG BOLT
6	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
7	6	470376	COVER PLATE FOR 470375
8	6	500295	NOZZLE BODY END CAP
9	3	500296	EASY FIT TEE 1" PIPE
10	2	500299	T5 TO 25MM HB 90
11	1	500300	T5 FEMALE TEE
12	2	500301	T5 MALE TO 25MM HB
13	4	520090	HOSECLAMP NO 16 STAINLESS
14	5	737738	FORK,D.3 DIST.42 (737731)
15	2	737763	O-RING, 1 1/4"CONN EPDM
16	9	737921	QUICK TJET 3-TIP BODY,1" HV
17	9	737925	QUICK TJET 5 + 1-TIP BODY 1"
18	12	900010	1/4UNC X 3" HEX BOLT
19	24	914000	1/4UNC HEX STOVER NUT
20	12	920000	1/4 SAE FLAT WASHER



20" WET BOOM SPACING, SECTION 1-2 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	6	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	2	167234	20" WET BOOM TUBE, 8.13 LG
4	2	167238	20" WET BOOM TUBE, 48.13 LG
5	2	167263	20" WET BOOM TUBE, 28.13 LG
6	16	470118	1/4 UNC X 3/4 SER FLG BOLT
7	8	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
8	8	470376	COVER PLATE FOR 470375
9	6	500295	NOZZLE BODY END CAP
10	3	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	1	500300	T5 FEMALE TEE
13	2	500301	T5 MALE TO 25MM HB
14	4	520090	HOSECLAMP NO 16 STAINLESS
15	5	737738	FORK,D.3 DIST.42 (737731)
16	2	737763	O-RING, 1 1/4"CONN EPDM
17	15	737921	QUICK TJET 3-TIP BODY,1" HV
18	15	737925	QUICK TJET 5 + 1-TIP BODY 1"
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



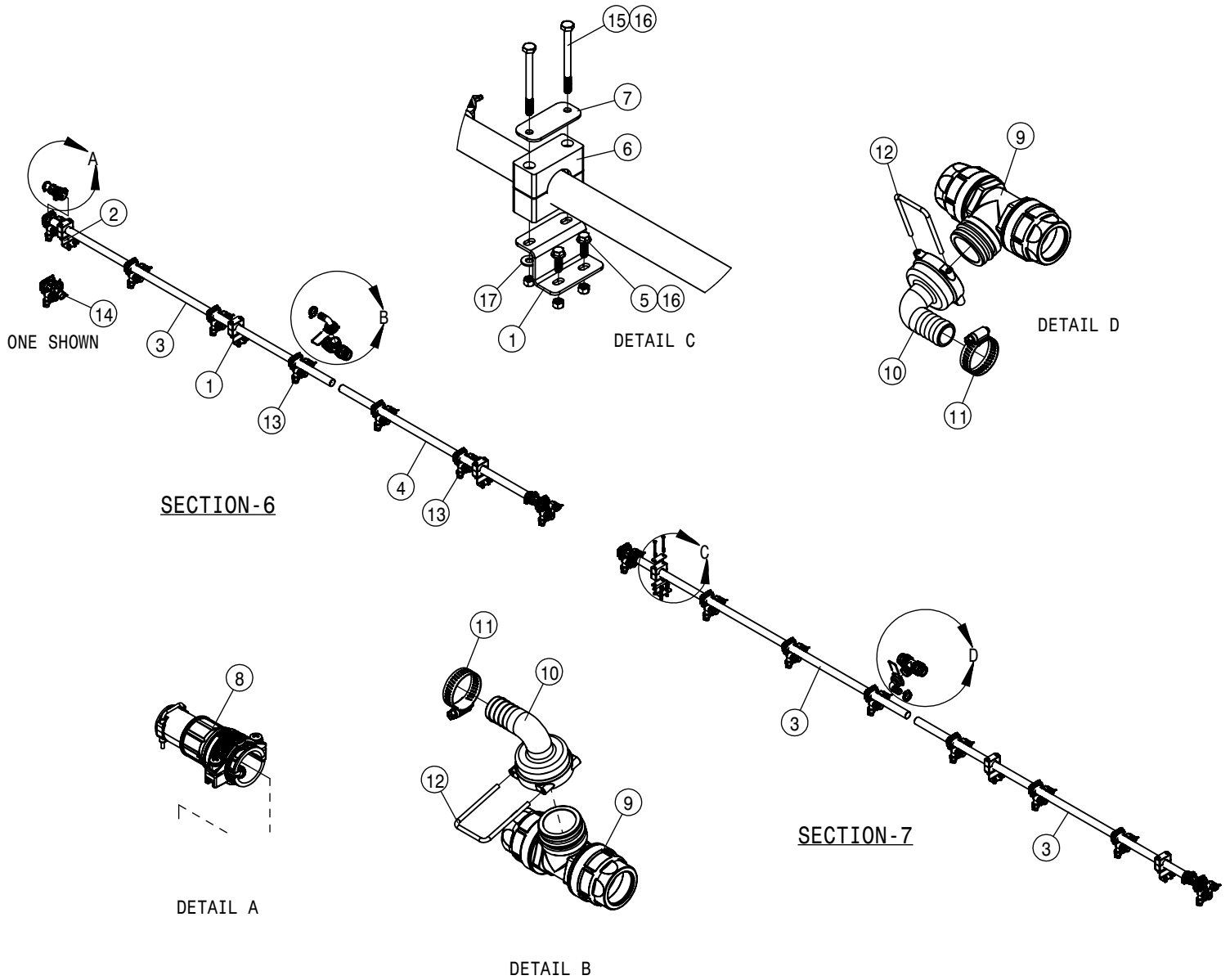
20" WET BOOM SPACING, SECTION 3-4 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	5	164859	CLAMP MT BRKT, WET BOOM, STS 04
2	1	164916	Z-BRKT, WET BOOM SECT 1, STS
3	3	167230	20" WET BOOM TUBE, 68.13 LG
4	1	167238	20" WET BOOM TUBE, 48.13 LG
5	12	470118	1/4 UNC X 3/4 SER FLG BOLT
6	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
7	6	470376	COVER PLATE FOR 470375
8	4	500295	NOZZLE BODY END CAP
9	2	500296	EASY FIT TEE 1" PIPE
10	2	500299	T5 TO 25MM HB 90
11	2	520090	HOSECLAMP NO 16 STAINLESS
12	2	737738	FORK,D.3 DIST.42 (737731)
13	15	737921	QUICK TJET 3-TIP BODY,1" HV
14	15	737925	QUICK TJET 5 + 1-TIP BODY 1"
15	12	900010	1/4UNC X 3" HEX BOLT
16	24	914000	1/4UNC HEX STOVER NUT
17	12	920000	1/4 SAE FLAT WASHER



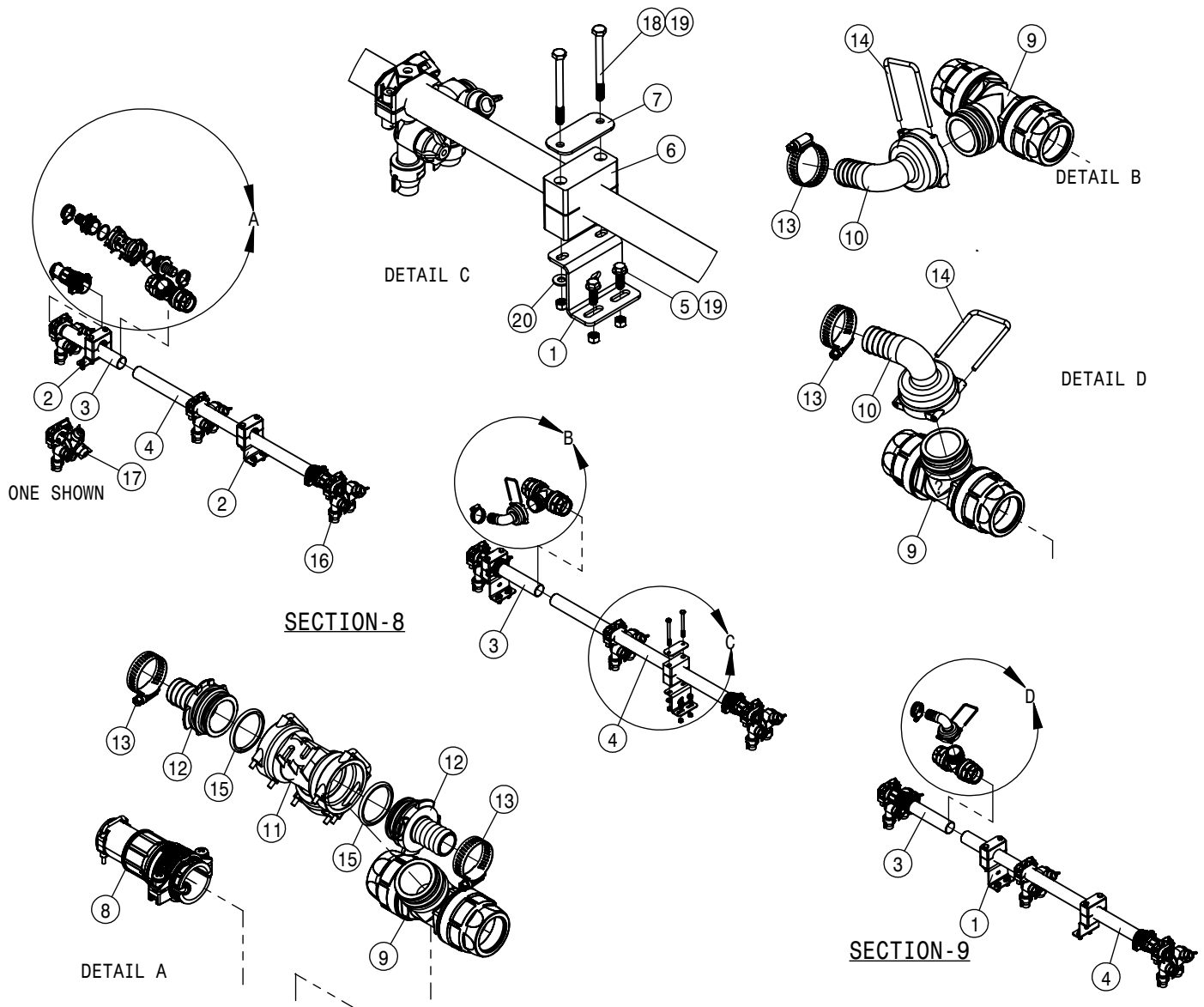
20" WET BOOM SPACING, SECTION-5 90/100 BOOM

DET	QTY	P/N	DESCRIPTION
1	1	167231	20" WET BOOM TUBE, 50.66 LG
2	1	167237	20" WET BOOM TUBE, 65.66 LG
3	4	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
4	4	470376	COVER PLATE FOR 470375
5	2	500295	NOZZLE BODY END CAP
6	1	500296	EASY FIT TEE 1" PIPE
7	1	500297	T5 TO 20MM HB 90
8	1	520080	HOSE CLAMP NO 10 STAINLESS
9	1	737738	FORK,D.3 DIST.42 (737731)
10	7	737921	QUICK TJET 3-TIP BODY,1" HV
11	7	737925	QUICK TJET 5 + 1-TIP BODY 1"
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

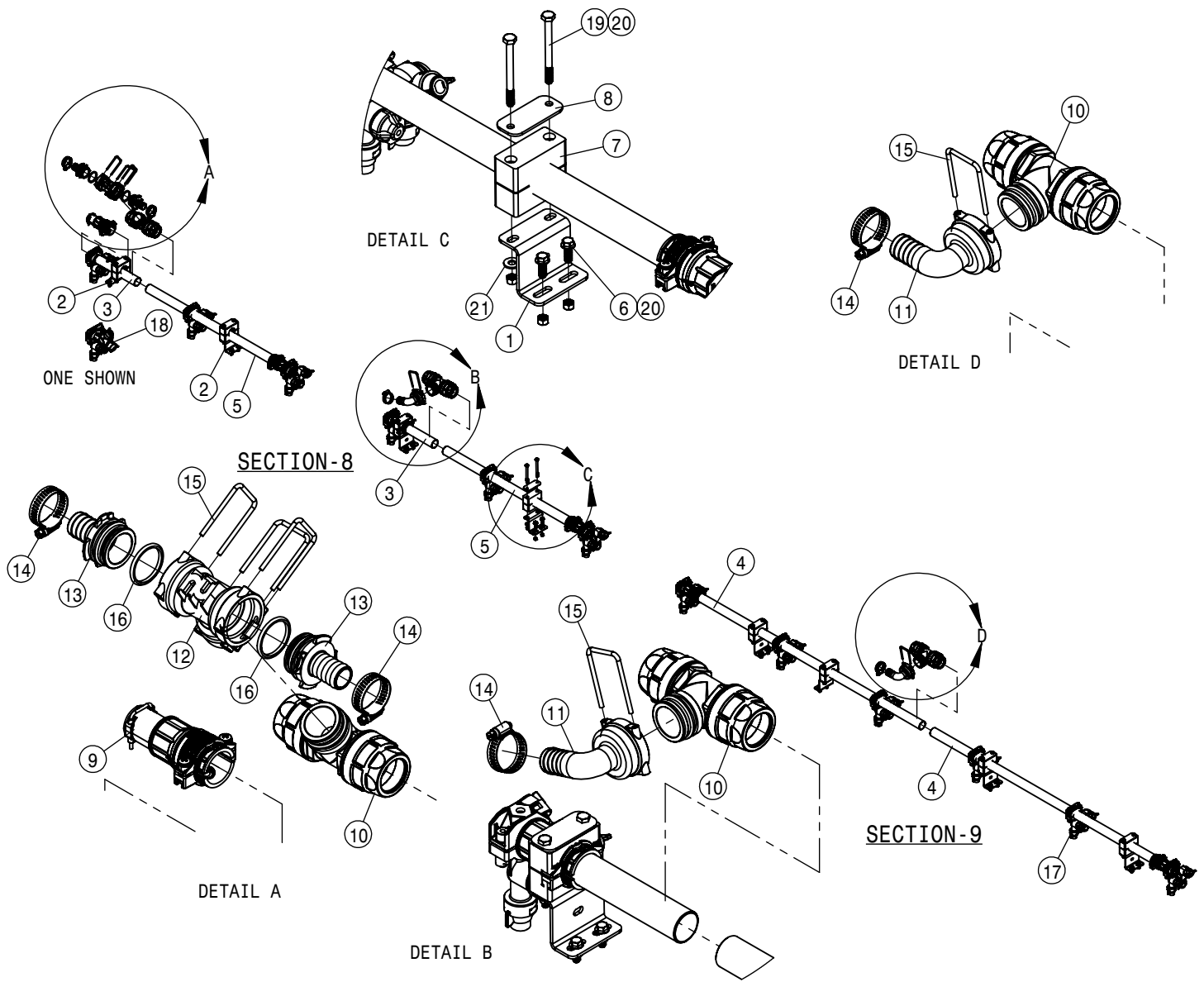




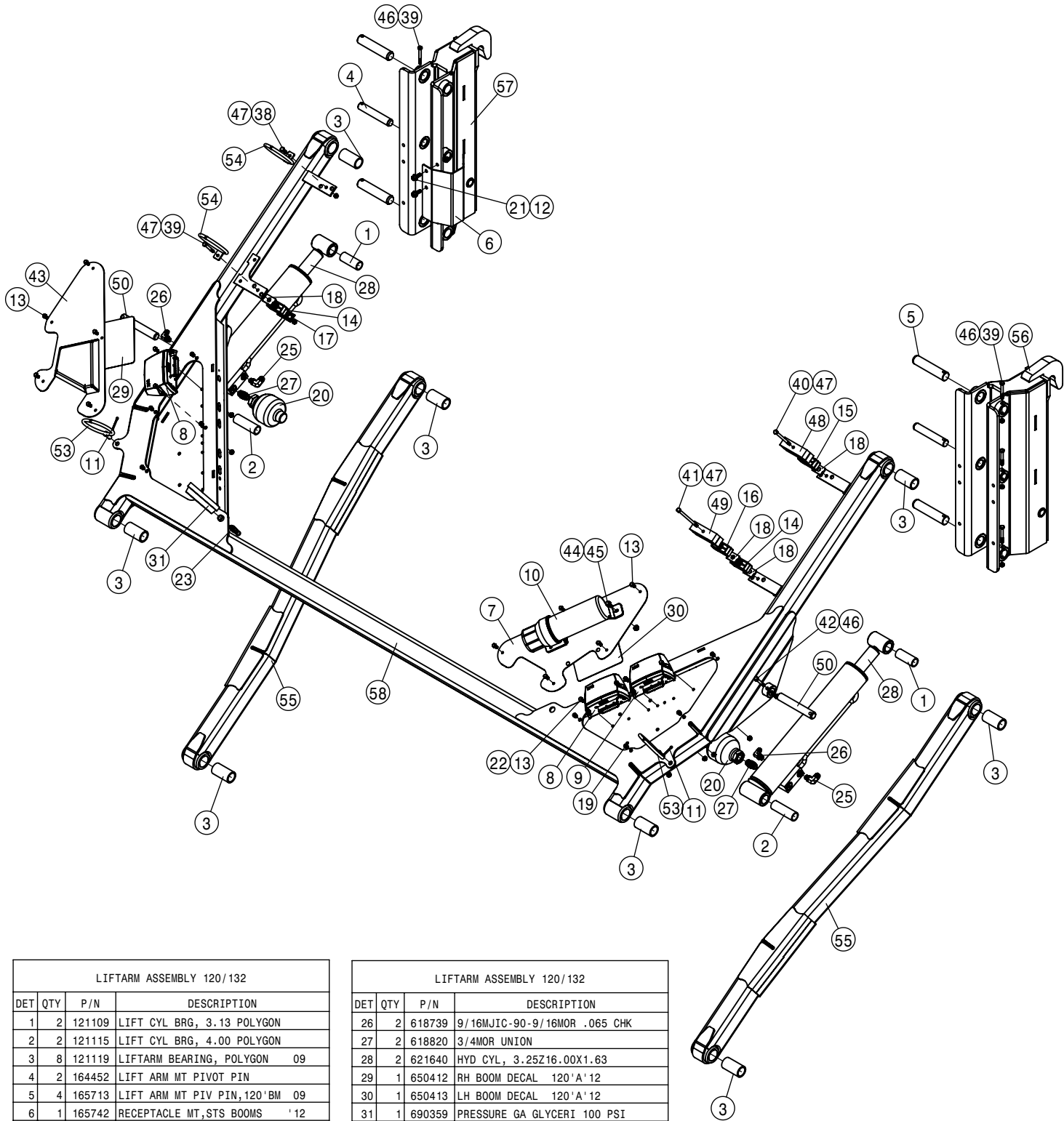
20" WET BOOM SPACING, SECTION 6-7 90/100 BOOM			
DET	QTY	P/N	DESCRIPTION
1	5	164859	CLAMP MT BRKT, WET BOOM, STS 04
2	1	164916	Z-BRKT, WET BOOM SECT 1, STS
3	3	167230	20" WET BOOM TUBE, 68.13 LG
4	1	167238	20" WET BOOM TUBE, 48.13 LG
5	12	470118	1/4 UNC X 3/4 SER FLG BOLT
6	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
7	6	470376	COVER PLATE FOR 470375
8	4	500295	NOZZLE BODY END CAP
9	2	500296	EASY FIT TEE 1" PIPE
10	2	500299	T5 TO 25MM HB 90
11	2	520090	HOSECLAMP NO 16 STAINLESS
12	2	737738	FORK,D.3 DIST.42 (737731)
13	15	737921	QUICK TJET 3-TIP BODY,1" HV
14	15	737925	QUICK TJET 5 + 1-TIP BODY 1"
15	12	900010	1/4UNC X 3" HEX BOLT
16	24	914000	1/4UNC HEX STOVER NUT
17	12	920000	1/4 SAE FLAT WASHER



20" WET BOOM SPACING, SECTION 8-9 90' BOOM			
DET	QTY	P/N	DESCRIPTION
1	4	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	3	167234	20" WET BOOM TUBE, 8.13 LG
4	3	167263	20" WET BOOM TUBE, 28.13 LG
5	12	470118	1/4 UNC X 3/4 SER FLG BOLT
6	6	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
7	6	470376	COVER PLATE FOR 470375
8	6	500295	NOZZLE BODY END CAP
9	3	500296	EASY FIT TEE 1" PIPE
10	2	500299	T5 TO 25MM HB 90
11	1	500300	T5 FEMALE TEE
12	2	500301	T5 MALE TO 25MM HB
13	4	520090	HOSECLAMP NO 16 STAINLESS
14	5	737738	FORK,D.3 DIST.42 (737731)
15	2	737763	O-RING, 1 1/4"CONN EPDM
16	9	737921	QUICK TJET 3-TIP BODY,1" HV
17	9	737925	QUICK TJET 5 + 1-TIP BODY 1"
18	12	900010	1/4UNC X 3" HEX BOLT
19	24	914000	1/4UNC HEX STOVER NUT
20	12	920000	1/4 SAE FLAT WASHER



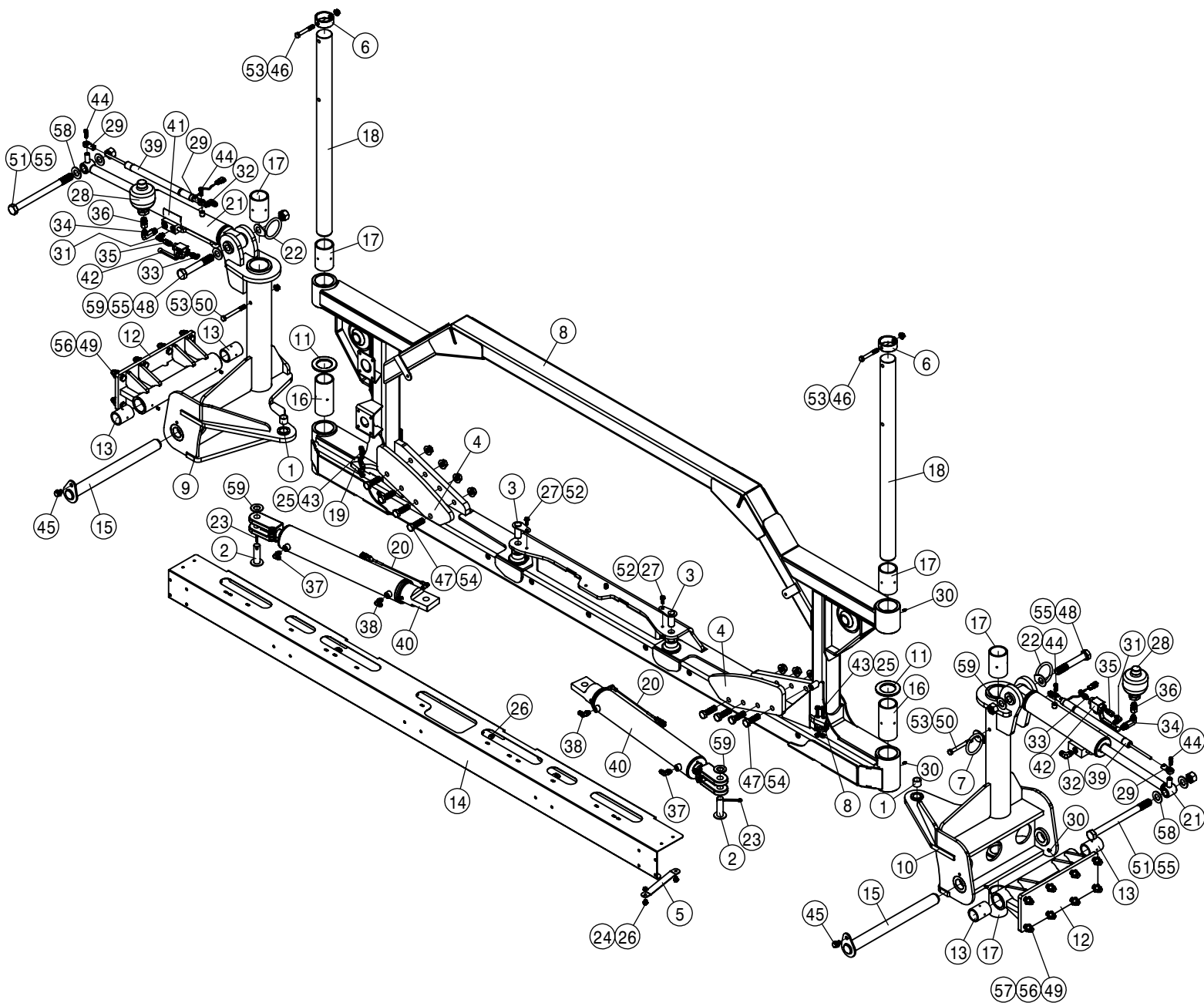
20" WET BOOM SPACING, SECTION 8-9 100' BOOM			
DET	QTY	P/N	DESCRIPTION
1	6	164716	TALL CLAMP MT BRKT, WET BOOM, STS
2	2	164859	CLAMP MT BRKT, WET BOOM, STS 04
3	2	167234	20" WET BOOM TUBE, 8.13 LG
4	2	167238	20" WET BOOM TUBE, 48.13 LG
5	2	167263	20" WET BOOM TUBE, 28.13 LG
6	16	470118	1/4 UNC X 3/4 SER FLG BOLT
7	8	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
8	8	470376	COVER PLATE FOR 470375
9	6	500295	NOZZLE BODY END CAP
10	3	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	1	500300	T5 FEMALE TEE
13	2	500301	T5 MALE TO 25MM HB
14	4	520090	HOSECLAMP NO 16 STAINLESS
15	5	737738	FORK,D.3 DIST.42 (737731)
16	2	737763	O-RING, 1 1/4"CONN EPDM
17	15	737921	QUICK TJET 3-TIP BODY,1" HV
18	15	737925	QUICK TJET 5 + 1-TIP BODY 1"
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



LIFTARM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	2	121109	LIFT CYL BRG, 3.13 POLYGON
2	2	121115	LIFT CYL BRG, 4.00 POLYGON
3	8	121119	LIFTARM BEARING, POLYGON 09
4	2	164452	LIFT ARM MT PIVOT PIN
5	4	165713	LIFT ARM MT PIV PIN,120'BM 09
6	1	165742	RECEPTACLE MT,STS BOOMS '12
7	1	166610	UPR LIFT ARM COVER, 120
8	2	292086	IQAN-XA2 MODULE->611
9	1	292087	IQAN-XS2 MODULE>611
10	1	344017	MANUAL CANISTER W/NEOPREN SEAL
11	2	470046	COTTER PIN 5/32 X 1 1/2 SS
12	2	470087	3/8UNC HEX SERR FLANGE NUT
13	16	470118	1/4 UNC X 3/4 SER FLG BOLT
14	2	470274	TUBE CLAMP BODY, .750-.750
15	1	470275	TUBE CLAMP BODY, 1.00-1.000
16	1	470275	TUBE CLAMP BODY, 1.00-1.000
17	1	470276	CLAMP COVER PLATE,SNGL, 2.55LG
18	4	470281	STACK BOLT SAFETY LOCK PLATE
19	10	470383	1/4-20 NUTSERT .165-.260 STL
20	2	470444	ACCUM, DIAPHRAGM, 30CI 1508 PSI
21	2	470460	3/8UNC X 1 HHSFB GR5 MC
22	6	473832	1/4-20UNC HEX FLG NUT SER SS
23	1	500128	1/4NPT-1/2 HOSE BARB, POLY
NS	2	693752	UC5 NETWORK 2 PIN PLUG
25	2	618249	3/4MJIC-90-9/16MOR LBO

LIFTARM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
26	2	618739	9/16MJIC-90-9/16MOR .065 CHK
27	2	618820	3/4MOR UNION
28	2	621640	HYD CYL, 3.25Z16.00X1.63
29	1	650412	RH BOOM DECAL 120'A'12
30	1	650413	LH BOOM DECAL 120'A'12
31	1	690359	PRESSURE GA GLYCERI 100 PSI
NS	2	693128	NORAC UC5 NETWORK 2-WAY CPLR
NS	1	693131	NORAC UC5 NETWORK CPLR, 8-WAY
NS	1	693135	NORAC CABLE, STS BM DISCNT, 150"
NS	2	693146	NORAC UC5 2-WAY CPLR W/TRMNTOR
NS	2	693147	NORAC UC5 NETWORK CPLR, 3-WAY
NS	2	693800	UC5 NETWORK 6PIN PLUG
38	1	900489	5/16UNC X 1 HHCS SS
39	5	900494	5/16UNC X 2 1/2 HHCS SS
40	1	900500	5/16UNC X 4 1/4 HHCS SS
41	1	900502	5/16UNC X 5 1/2 HHCS SS
42	4	900503	5/16UNC X 2 1/4 HHCS SS
43	1	167912	UPR LIFT ARM COVER RT WLD, 120
44	2	910119	5/16-18UNC HEX FLG NUT SER SS
45	2	910126	5/16UNC X 1 HHSFB SS
46	8	910132	5/16-18UNC NYLOCK NUT SS
47	4	914002	5/16UNC HEX STOVER NUT
48	1	A51729	TUBE CLAMP (PAIR)
49	1	A51729	TUBE CLAMP (PAIR)
50	2	A53739	LIFT CYL PIN, BARREL PIN, DELTA

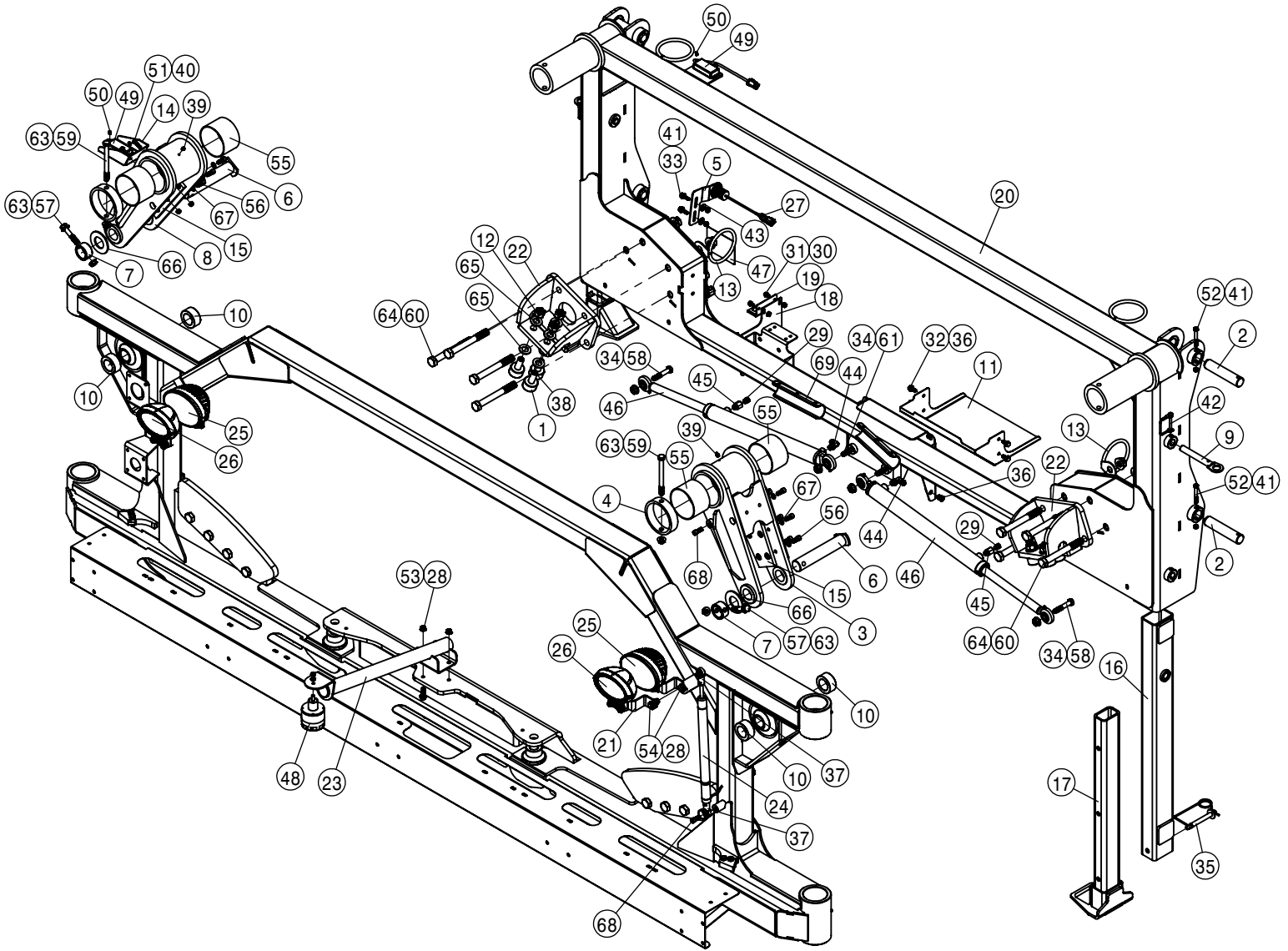
LIFTARM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
NS	1	693750	UC5 INTERFACE CABLE
NS	1	693749	UC5 CABLE, VALVE
53	2	164517	HOSE SUPPORT RING WLD
54	2	165954	HOSE RING WLD
55	2	166587	LWR LIFT ARM WLDMT,120'BOOM 09
56	1	166600	QUICK ATTACH WLD LH OFFSET
57	1	166601	QUICK ATTACH WLD RH OFFSET
58	1	167032	UPPER LIFT ARM WLDMT,120'BM 11
NS	3	693741	CABLE UC5 NETWORK 14 AWG 1M
NS	1	693757	UC5 NETWORK CABLE,14 AWG .5M
NS	1	693759	INSTALL MANUAL UC5,HG06,STS
NS	2	693805	CABLE,UC5 NETWORK 14 AWG 15M
NS	2	693806	CABLE,UC5 12 AWG 7M



TRANSOM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	2	121126	BEARING,1.00-1.25-1.10 POLYGON
2	2	164498	BOOM FOLD CYL PIN WLD
3	2	166127	TRANSOM PIN WLD 1", A10
4	2	166566	ROLLER GUIDE PLATE, 120
5	6	166694	CENTER SOLN SUB MNT STRAP, 120
6	2	166932	PIVOT PIN RET RING, 120
7	1	166983	HOSE SUPPORT RING WLD
8	1	166989	TRANSOM PIVOT WLDMT, 120
9	1	167014	RH TRANSOM PIVOT WLD
10	1	167015	LH TRANSOM PIVOT WLD
11	2	167030	THRUST WASH PIVOT TUBE, 120'ALUM
12	2	167036	ALUM BOOM SECT 1 ADPTR WLD
13	4	167041	FIBER BUSH, ADPTR PLATE 120'ALUM
14	1	167042	CTR SCT SOLU MT CHANNEL
15	2	167043	LEVEL PIN WLD 120'ALUM
16	2	167046	BEARING,2.51-2.99-6.38 POLYGON
17	6	167047	BEARING,2.51-2.99-4.25 POLYGON
18	2	167048	SHAFT, INNER TRANS PIVOT 120'ALUM
19	2	169131	MECH FOLD STOP, 120 AL
20	2	291994	SENSOR HARNESS FOR AWS

TRANSOM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
21	2	621642	HYD CYL, 3.00X9.00X1.38
22	2	438302	HOSE SUPPORT RING WLD W/WASHER
23	2	470012N	5/16 X 2 COTTER PIN SS
24	6	470113	5/16UNC SERR FLG LOCK NUT
25	4	470113N	5/16UNC SERR FLG LOCK NUT SS
26	19	470232N	5/16UNC X 1/2 SERR FLG BOLT SS
27	2	470234N	5/16UNC X 1" SERR FLG BOLT SS
28	2	470444	ACCUM, DIAPHRAGM, 30CI 1508 PSI
29	4	470628	BALL END,9.9MM BORE X 10MM THD
30	10	471005N	GREASE ZERK, 1/4-28 X 1/2 YZ
31	2	618119	9/16MJIC-90-9/16MOR LBO
32	2	618249	3/4MJIC-90-9/16MOR LBO
33	2	618425	9/16MJIC-45-9/16MOR LBO
34	2	618443	3/4MJIC-90-3/4MOR EX LG LBO
35	2	618668	9/16FJIC SWIV-9/16MOR ADPTR
36	2	618669	3/4FJIC SWIV-3/4MOR ADPTR
37	2	618689	9/16MOR-90-9/16MJ .042 CHK VLV
38	2	618739	9/16MJIC-90-9/16MOR .065 CHK
39	2	294330	LINEAR POSITION SENSOR, 250mm
40	2	621656	HYD CYL,3.50X19.75X1.75

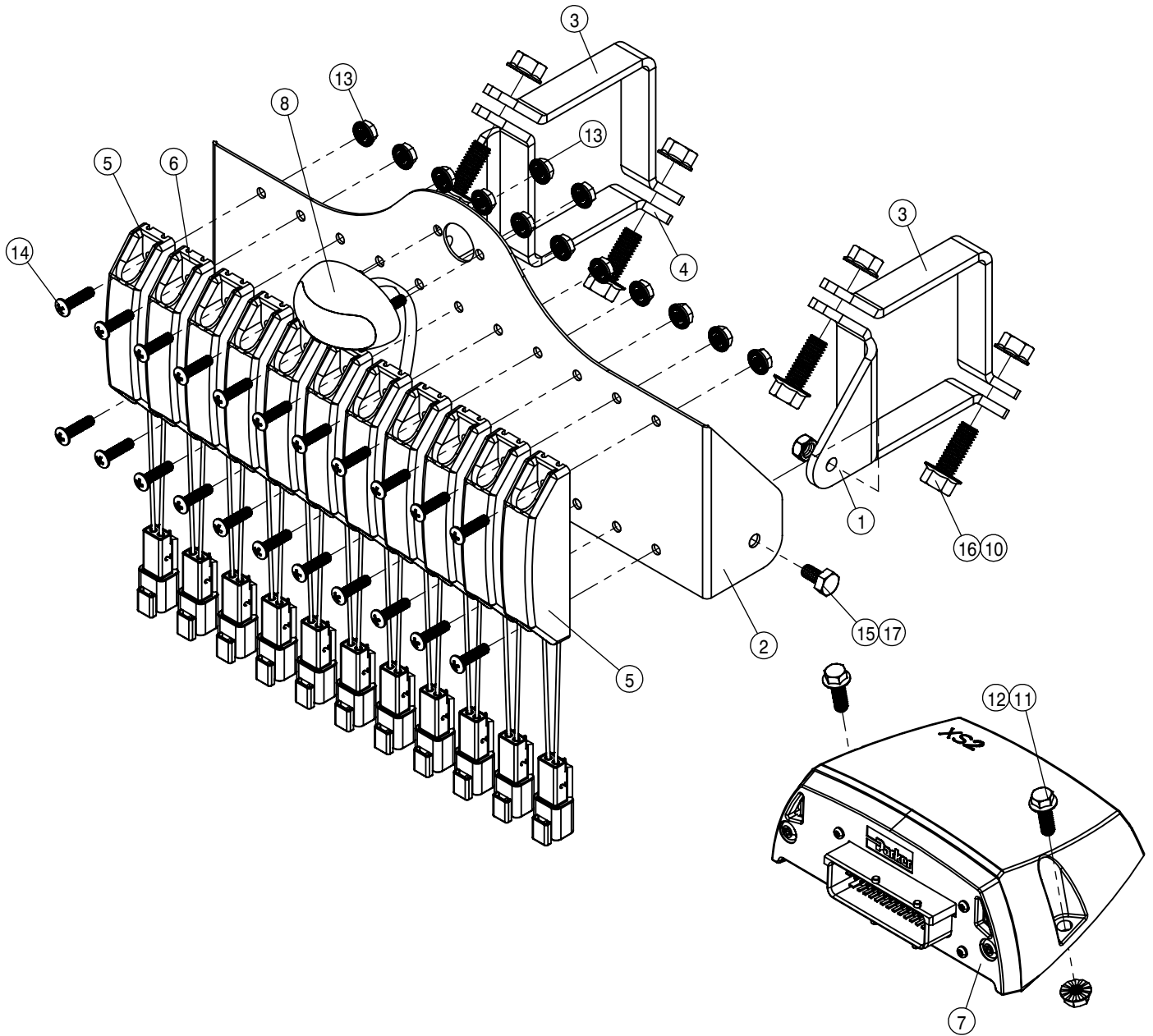
TRANSOM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
41	2	650390	DECAL,DANGER, DO NOT MOD ACCUM
42	2	696131	HIGH PRESSURE BALL VALVE
43	4	900066N	5/16UNC X 1 1/4 SERR.FLG.HEX BOLT
44	4	900172	3/8UNC X 1"SOC HD CAP SCR,ZINC
45	2	900262N	1/2UNC X 3/4 SER FLANGE BOLT
46	2	900272N	1/2UNC X 3 1/2 HEX BOLT
47	8	900404	3/4UNC X 2 1/2 HEX BOLT
48	2	900851	1" UNC X 6 1/2" HEX BOLT GR8 YZ
49	16	900857	5/8UNC X 2 1/4 HEX BOLT GR8
50	2	900863	1/2UNC X 4 3/4 HEX BOLT GR 8 YZ
51	2	900869	1" UNC X 13" HEX BOLT GR8 YZ
52	2	914002N	5/16UNC HEX STOVER NUT YZ
53	4	914008N	1/2UNC SMTH FLG CTR LCK NUT YZ
54	8	914012N	3/4UNC CNTLCK SM FLG HEX NUT
55	4	914016	1" UNC HEX STOVER NUT
56	16	914810	5/8UNC HEX STOVER NUT GR8
57	16	920005N	5/8 SAE FLAT WASHER
58	4	920008	1" SAE FLAT WASHER
59	4	920008N	1" SAE FLAT WASHER



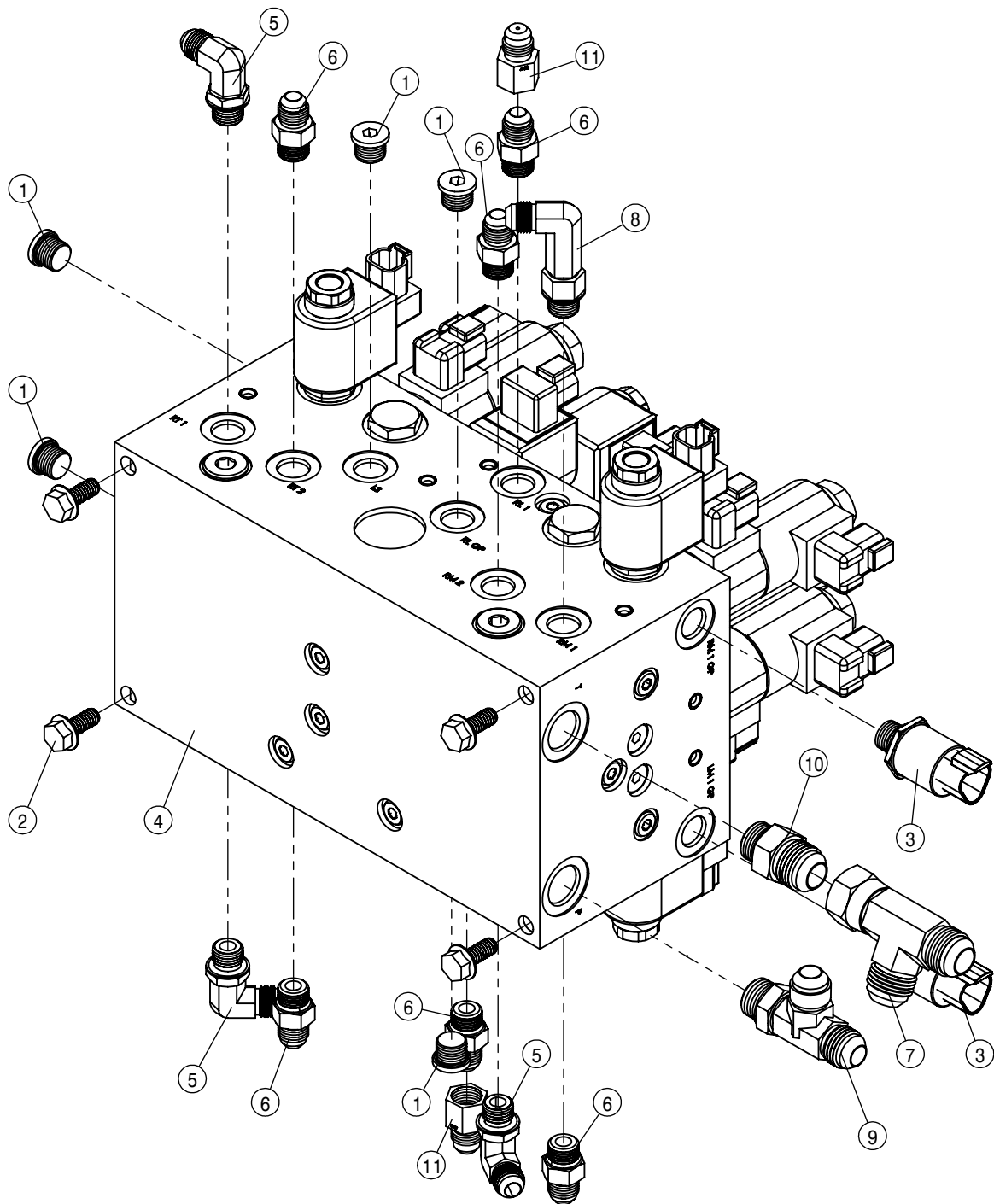
TRANSM PIVOT ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	6	125058	TRACK ROLLER, 1.750D, .75-16THD
2	4	165713	LIFT ARM MT PIV PIN, 120'BM 09
3	1	166544	PENDULUM-WLD LH, TRANSM
4	2	166552	RET RING-PENDULUM, 120
5	1	166874	FRMD PROX BRKT, LIFT, 120
6	2	166611	LWR PENDULUM PIN, 120
7	2	166697	PEND RETNR BUSH, 120
8	1	166698	PENDULUM-WLD RH, TRANSM
9	2	166772	BM STND PIN WLD, 120
10	4	166861	SPCR BUSHING, BALL JOINT, 120
11	1	166871	MANIFOLD GUARD WLD, 120
12	6	910013N	3/4UNF HEX NUT
13	2	166903	HOSE RING WLD, 4" X 3/4"
14	1	166915	NORAC ROLL SENS WLD, 120
15	2	166938	PENDULUM WEAR PLT, 120
16	2	167055	BOOM STAND OTR TUBE WLD, 120'ALUM
17	2	167057	BOOM STND INR TUBE WLD, 120'ALUM
18	1	167178	UC5 MTG BRKT
19	1	167179	CLAMP UC5 BRKT
20	1	167243	TRANSM FIXED WLD, 120'AL '14
21	4	167253	LIGHT EXTENSION MOUNT
22	2	167305	ROLLER MNT WLD, 120A, 15'
23	1	167310	NORAC MNT WLD CTR, 120

TRANSM PIVOT ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
24	1	294330	LINEAR POSITION SENSOR, 250mm
25	2	292612	WORKLIGHT - LED FLOOD STS'14
26	2	292614	WORK LIGHT, HALOGEN FLOOD '14
27	1	292927	INDUCTIVE PROX SENSOR, 30MM
28	6	470087N	3/8UNC HEX SERR FLG NUT YZ
29	2	470114	BREATHER FILTER VENT, 1/4 NPT
30	4	470121N	1/4 UNC SERR FLG LOCK NUT SS
31	4	470122N	1/4 UNC X 1/2 SERR FLG BOLT SS
32	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
33	2	470234N	5/16UNC X 1" SERR FLG BOLT SS
34	4	470345N	1/2UNC SMTH FLG LOCK NUT YZ
35	2	470361	SNAP LOCK PIN, 1/2 X 3 1/2
36	4	470381N	5/16-18 NUTSERT .027-.150 STL
37	2	470628	BALL END, 9.9MM BORE X 10MM THD
38	6	471001	GREASE ZERK, 3/16 DRIVE-IN
39	2	471005	GREASE ZERK, 1/4-28 X 1/2
40	2	473001	5/16UNC HEX NUT, NYLOC
41	6	473001N	5/16UNC HEX NUT, NYLOC 316 SS
42	2	473895	1/4 X 1 3/4 LINCHPIN
43	2	483040N	5/16 REGULAR FLAT WASHER BZ
44	2	618119	9/16MJIC-90-9/16MOR LBO
45	2	618123	9/16MOR-1/4FNPT ADPTR
46	2	621661	1.50X16.00X1.00 ROLL LOCK CYL

TRANSM PIVOT ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
47	1	650458	DECAL, PATENTS, HAGIE BOOM/DTB
48	1	693113	SENSOR, NORAC UC5 ULTRASONIC
49	2	693165	NORAC UC5 ROLL SENSOR
50	4	903808	6-32 X 3/8 PHIL PANHD MACH SCR
51	2	900065	5/16UNC X 1" HEX BOLT
52	4	900070N	5/16UNC X 2 1/2 BOLT SS
53	1	900127N	3/8UNC X 1 1/4 SER FLANGE BOLT
54	4	900128N	3/8UNC X 3/4 SER FLANGE BOLT
55	4	166591	POLYGON BRG 4.0ID X 2.72LG X 1/8WA
56	12	900173	3/8UNC X 7/8SOC HD CAP SCR, ZNC
57	2	900268N	1/2UNC X 2 1/2 SERR FLG BOLT
58	2	900269N	1/2UNC X 2 3/4 HEX BOLT
59	2	900277N	1/2UNC X 5 1/2 HEX BOLT
60	8	900416N	3/4UNC X 6 1/2 HEX BOLT
61	2	900842	1/2UNC X 2 1/2 HEX BOLT GR8 YZ
NS	1	693147	NORAC UC5 NETWORK CPLR, 3-WAY
63	4	914008N	1/2UNC SMTH FLG CTR LCK NUT YZ
64	16	914012N	3/4UNC CNTLCK SM FLG HEX NUT
65	12	920006N	3/4 SAE FLAT WASHER
66	2	920013	1 1/2 SAE FLAT WASHER
67	12	920502	3/8 LOCK WASHER
68	2	900172	3/8UNC X 1" SOC HD CAP SCR, ZINC
69	2	470369	HOSE PROTECTOR, 8" BLACK

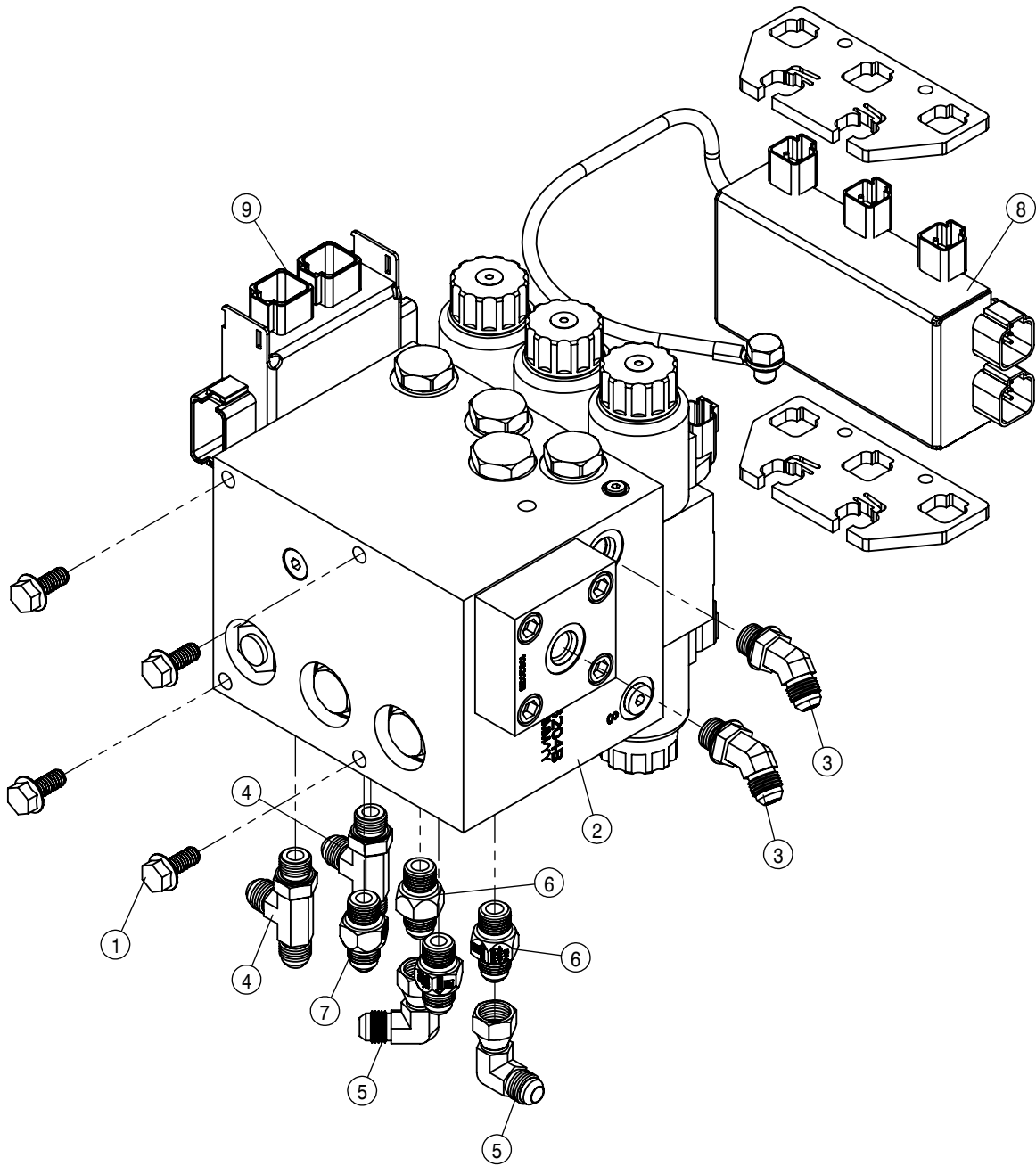


SECTION INDICATOR LIGHTS 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	165993	RECEPT MTG BRKT BENT RGT
2	1	165994	BOOM INDICATOR LGT MT
3	2	165995	RECEPT MTG BRKT
4	1	165996	RECEPT MTG BRKT BENT LFT
5	2	291325	AMBER LAMP,4" DT DEUTSCH
6	9	291326	RED LAMP,4" DT DEUTSCH
7	1	292017	IQAN-XS2 MODULE
8	1	293817	MASTER SPRAY LIGHT, STS 05
NS	1	294246	HARNNESS-SPRAY SEC LIGHT STS' 14
10	4	470087N	3/8UNC HEX SERR FLG NUT YZ
11	2	470118	1/4 UNC X 3/4 SER FLG BOLT
12	2	470121N	1/4 UNC SERR FLG LOCK NUT SS
13	24	470175	10-32 SERR FLANGE NUT
14	24	472235	10-32 X 3/4 PHIL HD MACH SCR
15	2	900000	1/4UNC X 1/2 HEX BOLT
16	4	900129N	3/8UNC X 1" SERR FLANGE BOLT
17	2	910000	1/4UNC HEX NUT

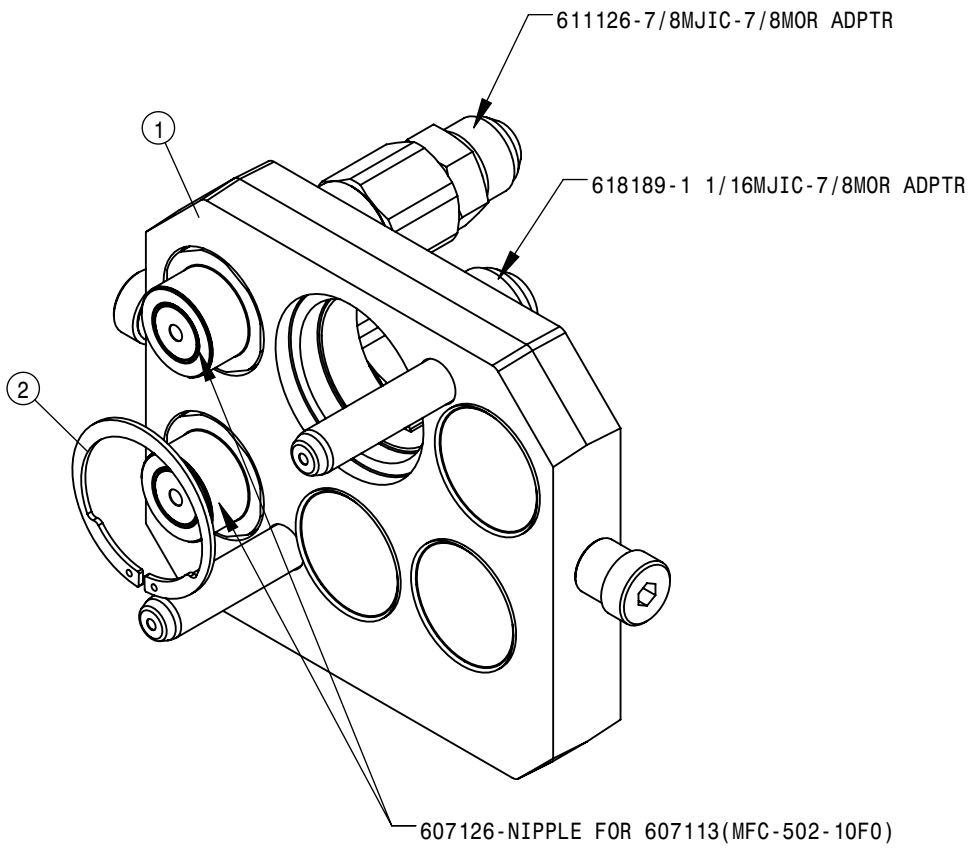


FOLD CONTROL VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	5	618754	9/16 MOR PLUG, HEX SOCKET
2	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
3	2	606347	PRESSURE TRANSDUCER,7500PSI
4	1	606527	FOLD MANIFOLD, 120'A STS'14
5	3	618119	9/16MJIC-90-9/16MOR LBO
6	6	618126	9/16MJIC-9/16MOR ADPTR
7	1	618333	7/8FJIC SW RUN TEE-7/8MJIC
8	1	618440	9/16MJIC-90-9/16MOR EX LG LBO
9	1	618494	3/4MOR RUN TEE-3/4MJIC
10	1	618574	7/8MJIC-3/4MOR ADPTR
11	2	618735	9/16JIC .062 ORIFICE ADPTR

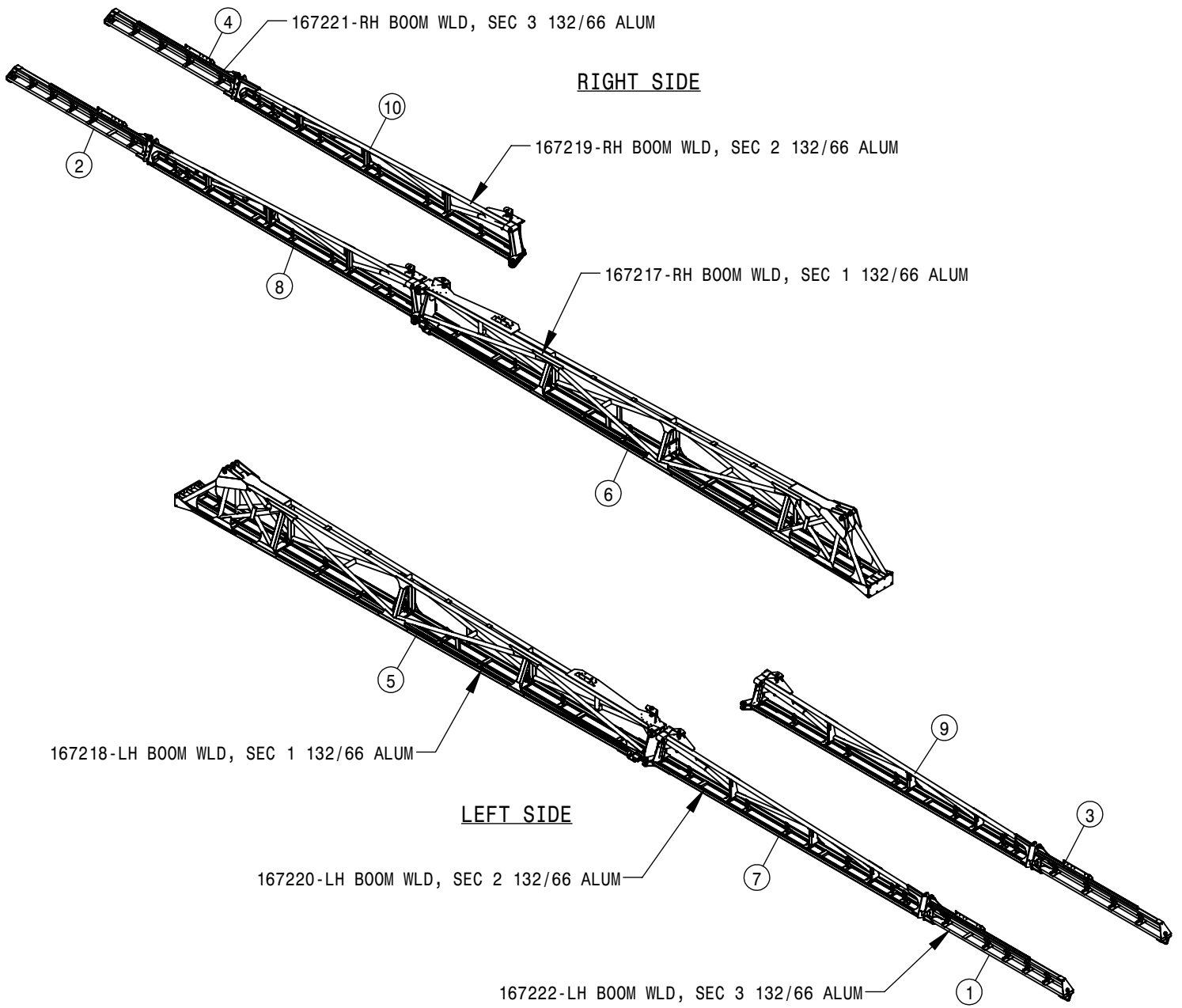




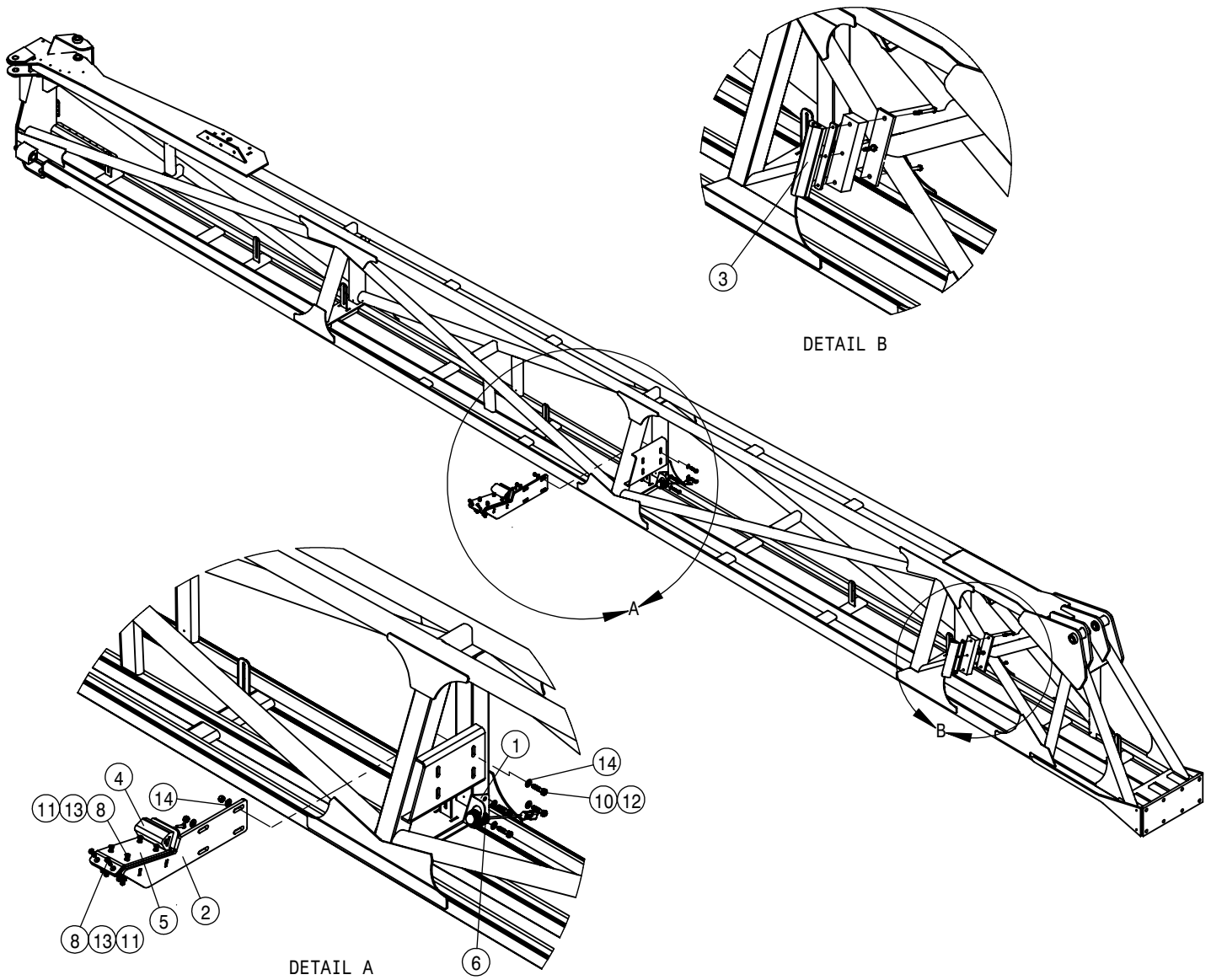
NORAC HYDRAULIC VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
2	1	606456	NORAC HYD VALVE (44960D)
3	2	618425	9/16MJIC-45-9/16MOR LBO
4	2	618444	9/16MOR RUN TEE-9/16MJIC
5	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO
6	2	618884	9/16MJIC-9/16MOR.042MFMO ADPTR
7	2	618885	9/16MJIC-9/16MOR.055MOMF ADPTR
8	1	693133	NORAC MODULE, UC5 VALVE
9	1	693751	NORAC MODULE, UC5 CONTROL



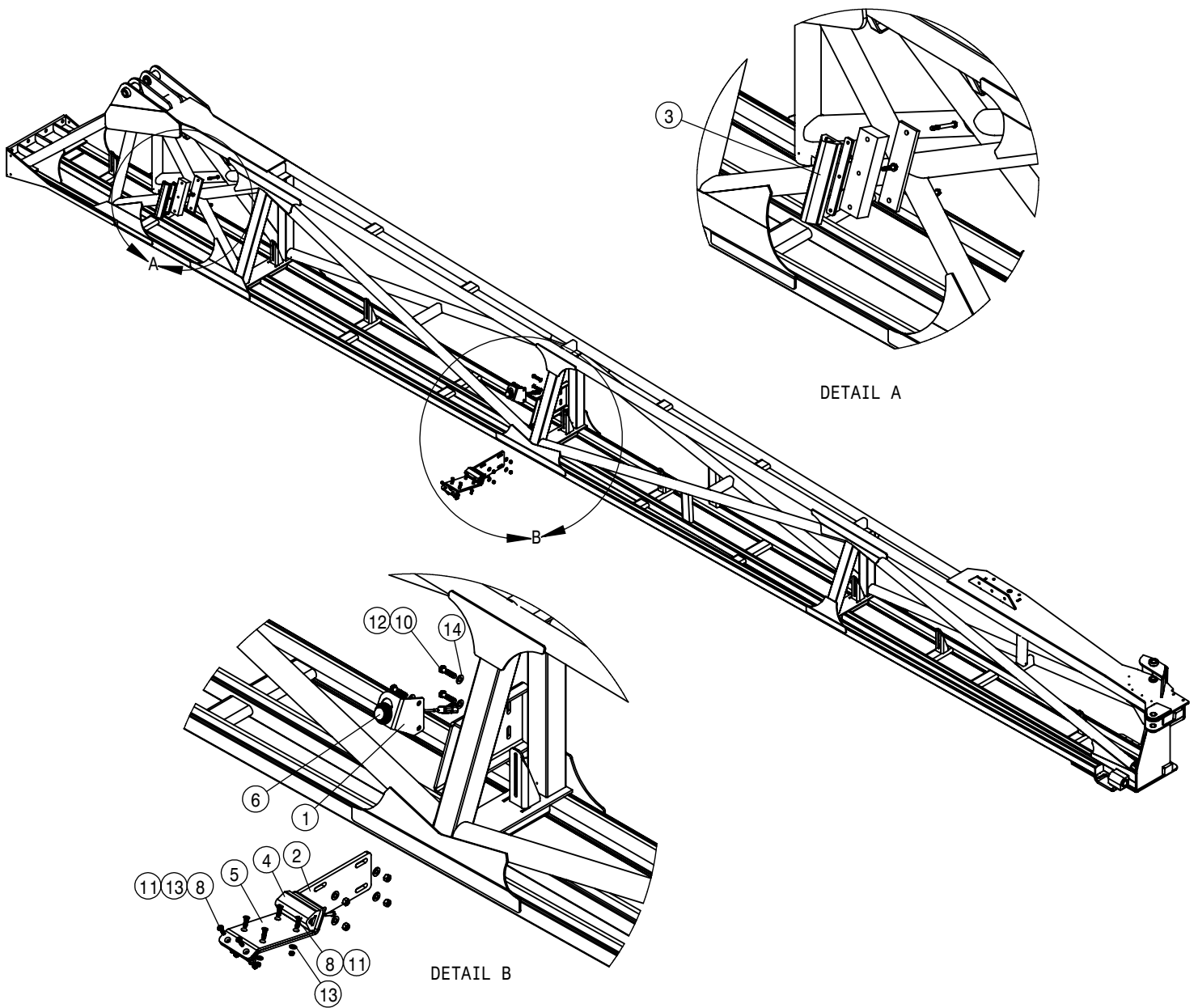
MULTICOUPLER ASSEMBLY 90/100/120/132			
DET	QTY	P/N	DESCRIPTION
1	1	607114	MOBILE HALF COUPLER ASSY, 0502
2	1	629546	SNAP RING, 1.637 EXTERNAL



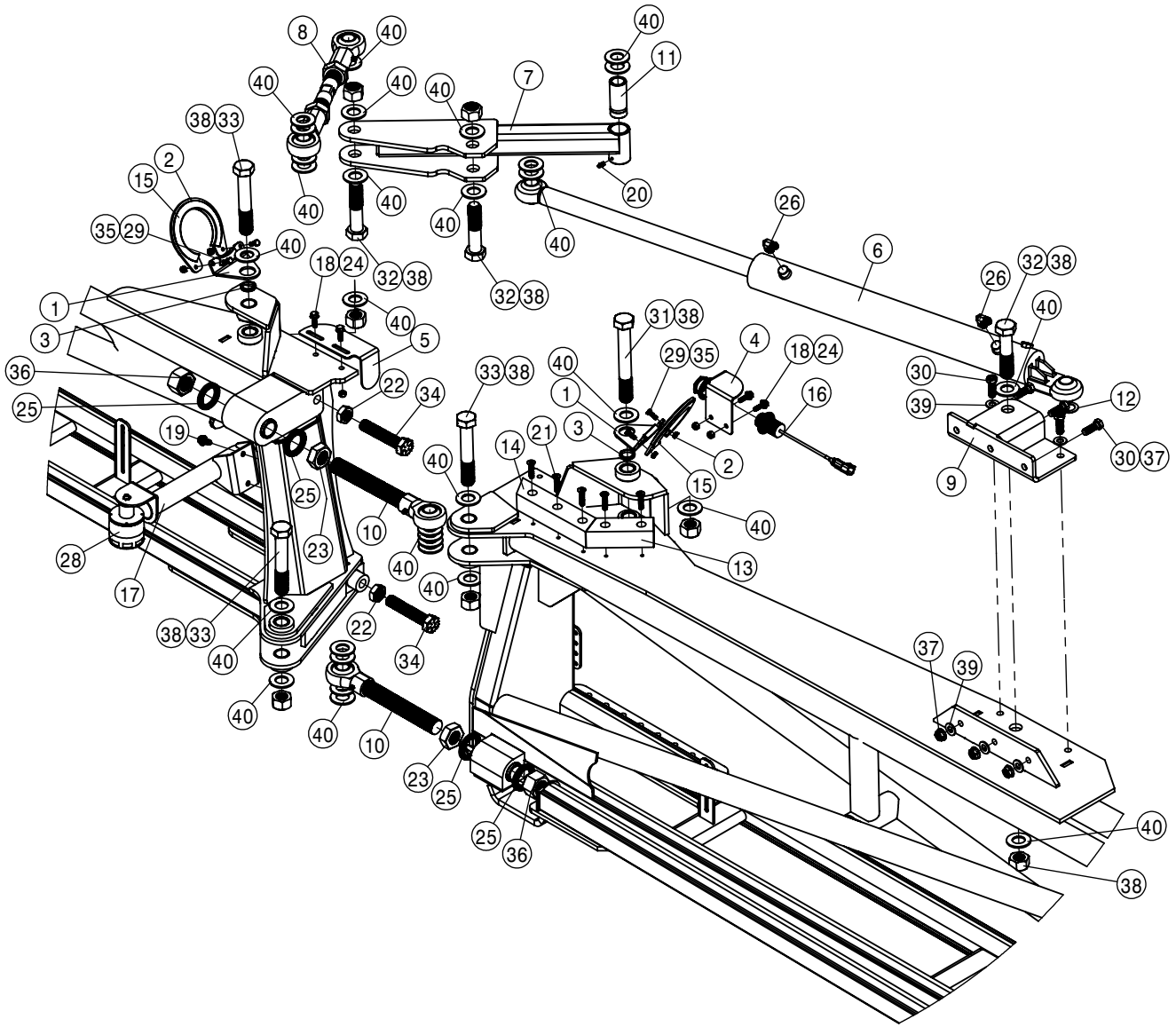
BOOM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167080	LH BOOM WLD,SECT 3,15°120' A' 12
2	1	167081	RH BOOM WLD,SECT 3,15°120' A' 12
3	1	167121	LH BOOM WLD,SECT 3,20°120' A' 12
4	1	167122	RH BOOM WLD,SECT 3,20°120' A' 12
5	1	167245	LH BOOM WLD,SECT 1 120' A' 15
6	1	167246	RH BOOM WLD,SECT 1 120' A' 15
7	1	167247	LH BOOM WLD,SECT 2,15°120' A' 15
8	1	167248	RH BOOM WLD,SECT 2,15°120' A' 15
9	1	167249	LH BOOM WLD,SECT 2,20°120' A' 15
10	1	167250	RH BOOM WLD,SECT 2,20°120' A' 15



RIGHT INNER BOOM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167071	RH PROX MT, SECT 1-2 OTR 120'A'12
2	1	167094	RH ARM BRKT SHELF WLD 120'A'12
3	1	167102	BOOM BUMPER ASSY 120'A'12
4	1	167111	ARM BRKT SHELF BUMPER 120'A'12
5	1	167112	ARM BRKT SHELF PAD 120'A'12
6	1	292927	INDUCTIVE PROX SENSOR, 30MM
NS	1	294238	RH MAIN BOOM HARNESS 120' ALUM
8	6	472284	1/4UNF X 1" FLAT SOC HD CAP SCR
NS	1	650429	DECAL SHEET, 120' ALUM BOOM '12
10	4	900858	3/8UNC X 1 1/2 HEX BOLT GR8 YZ
11	6	914001	1/4UNF HEX STOVER NUT
12	4	914004N	3/8UNC HEX STOVER NUT
13	6	920000N	1/4 SAE FLAT WASHER SS
14	8	920002N	3/8 SAE FLAT WASHER

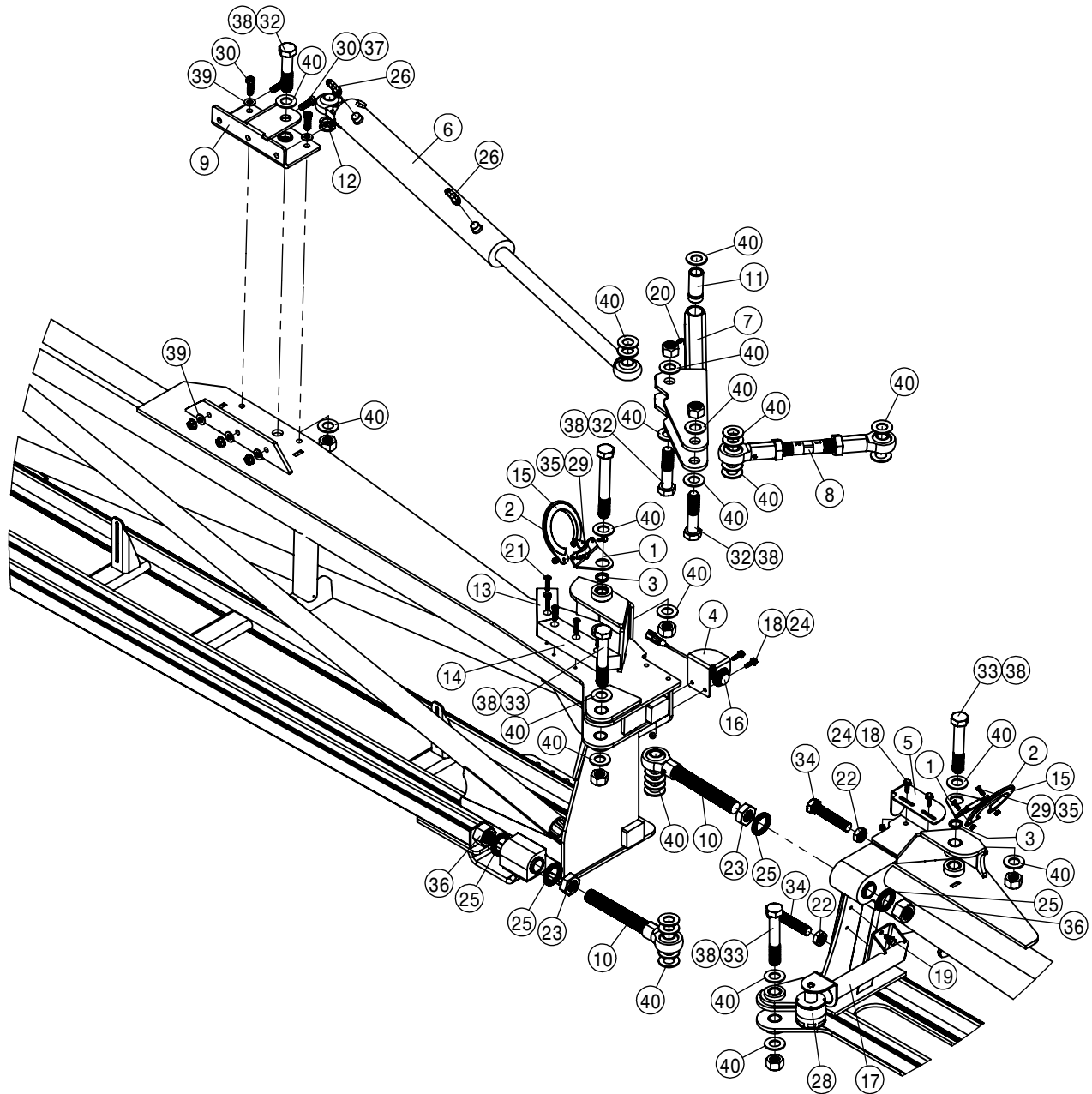


LEFT INNER BOOM ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167070	LH PROX MT, SECT 1-2 OTR 120'A'12
2	1	167093	LH ARM BRKT SHELF WLD 120'A'12
3	1	167102	BOOM BUMPER ASSY 120'A'12
4	1	167111	ARM BRKT SHELF BUMPER 120'A'12
5	1	167112	ARM BRKT SHELF PAD 120'A'12
6	1	292927	INDUCTIVE PROX SENSOR, 30MM
NS	1	294239	LH MAIN BOOM HARNESS 120' ALUM
8	6	472284	1/4UNF X 1" FLAT SOC HD CAP SCR
NS	1	650429	DECAL SHEET,120' ALUM BOOM '12
10	4	900858	3/8UNC X 1 1/2 HEX BOLT GR8 YZ
11	6	914001	1/4UNF HEX STOVER NUT
12	4	914004N	3/8UNC HEX STOVER NUT
13	6	920000N	1/4 SAE FLAT WASHER SS
14	8	920002N	3/8 SAE FLAT WASHER



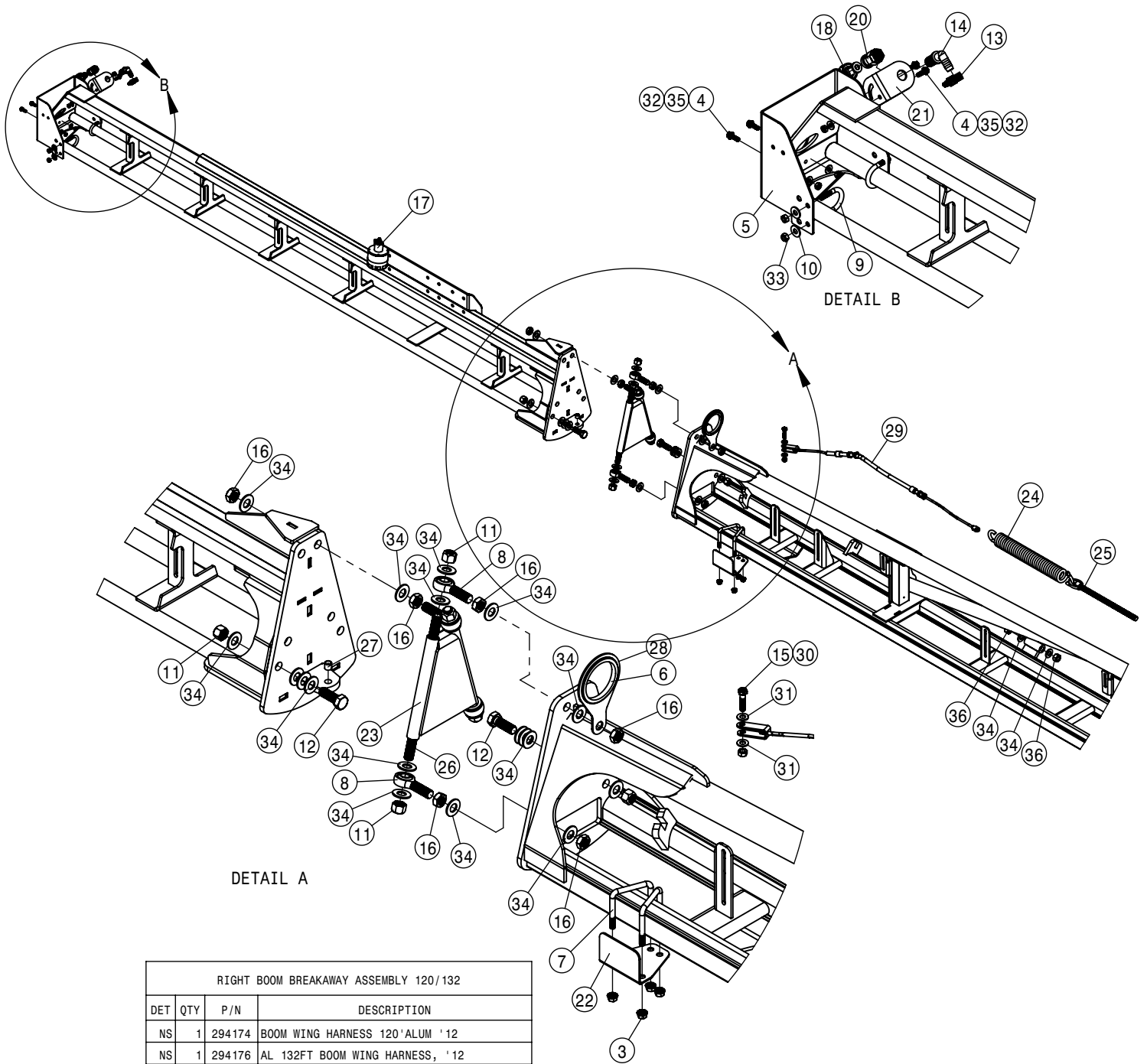
RIGHT BOOM FOLD ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	2	165950	HOSE RING MNT TAB, 120'A'13
2	2	165951	HOSE RING, REMOVABLE, 120'A'13
3	2	165952	SPACER, 1.25 X 1.010 X .220
4	1	167067	PROX MNT BRKT RH 120'A SECT1-2
5	1	167068	PROX FLAG BRKT RH 120'A SECT1-2
6	1	167091	RH HYD CYL, OUTER FOLD 120'A'12
7	1	167096	RH SCNDRY FOLD ARM WLD120'A'12
8	1	167103	S2-FOLD ARM CONN ASSY 120'A'12
9	1	167105	RH SIDE SUPP BRKT WLD 120'A'12
10	2	167109	ROD END WELD, SECT1-2 120'A'12
11	1	167113	BUSH SCNDRY FOLD ARM 120'A'12
12	1	167132	SHIM, 1.50" OD x 1.0" ID x 0.05" THK
13	1	167323	RH GUIDE BLOCK, ALUM BOOM12'A'13
14	1	167324	RH GUIDE BLOCK, ALUM BOOM12'A'13
15	4	193012	QUICKEDGE TRIM .135 TO .250
16	1	292927	INDUCTIVE PROX SENSOR, 30MM
17	1	344537	120' NORAC MNT, RIGHT, SNSR 4
18	4	470234N	5/16UNC X 1" SERR FLG BOLT SS
19	2	470409	3/8UNC X 3/4" SERR FLG BOLT
20	1	471006	GREASE ZERK, 1/4-28 TAPER THD

RIGHT BOOM FOLD ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
21	5	472285	5/16UNC X 1 1/2" FLAT SOC HD CAP SCR
22	2	472372	7/8-9 UNC HEX JAM NUT
23	2	472373	1 1/4UNF HEX JAM NUT
24	4	473001N	5/16UNC HEX NUT, NYLOC 316 SS
25	4	483021	1 1/2" NORD LOCK WASHER
26	2	618119	9/16MJIC-90-9/16MOR LBO
NS	1	650429	DECAL SHEET, 120' ALUM BOOM '12
28	1	693113	SENSOR, NORAC UCS ULTRASONIC
29	4	900002N	1/4UNC x 3/4 HEX BOLT
30	5	900804	1/2UNC X 1 1/2 HEX BOLT GR8 YZ
31	1	900860	1" UNC X 7 1/2" HEX BOLT GR8
32	3	900861	1" UNC X 4 1/2 HEX BOLT GR8 YZ
33	3	900862	1" UNC X 6" HEX BOLT GR8 YZ
34	2	900870	7/8UNC X 4.50 FULL HEX BOLT GR8
35	4	910000	1/4UNC HEX NUT
36	2	910041	1 1/4UNF HEX NUT
37	5	914008N	1/2UNC SMTH FLG CTR LCK NUT YZ
38	7	914016	1" UNC HEX STOVER NUT
39	9	920004N	1/2 SAE FLAT WASHER
40	31	920008N	1" SAE FLAT WASHER



LEFT BOOM FOLD ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	2	165950	HOSE RING MNT TAB, 120'A'13
2	2	165951	HOSE RING, REMOVABLE, 120'A'13
3	3	165952	SPACER, 1.25 X 1.010 X .220
4	1	167065	PROX MNT BRKT LH 120'A SECT1-2
5	1	167066	PROX FLAG BRKT LH 120'A SECT1-2
6	1	167090	LH HYD CYL, OUTER FOLD 120'A'12
7	1	167095	LH SCNDRY FOLD ARM WLD120'A'12
8	1	167103	S2-FOLD ARM CONN ASSY 120'A'12
9	1	167104	LH SIDE SUPP BRKT WLD 120'A'12
10	2	167109	ROD END WELD, SECT1-2 120'A'12
11	1	167113	BUSH SCNDRY FOLD ARM 120'A'12
12	3	167132	SHIM, 1.50" OD x 1.0" ID x 0.05" THK
13	1	167325	LH GUIDE BLOCK, ALUM BOOM12'A'13
14	1	167326	LH GUIDE BLOCK, ALUM BOOM12'A'13
15	4	193012	QUICKEDGE TRIM .135 TO .250
16	1	292927	INDUCTIVE PROX SENSOR, 30MM
17	1	344540	120' NORAC MNT LEFT, SNSR 2
18	4	470234N	5/16UNC X 1" SERR FLG BOLT SS
19	2	470409	3/8UNC X 3/4" SERR FLG BOLT
20	1	471006	GREASE ZERK, 1/4-28 TAPER THD

LEFT BOOM FOLD ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
21	5	472285	5/16UNC X 1 1/2" FLAT SOC HD CAP SCR
22	2	472372	7/8-9 UNC HEX JAM NUT
23	2	472373	1 1/4UNF HEX JAM NUT
24	4	473001N	5/16UNC HEX NUT, NYLOC 316 SS
25	4	483021	1 1/2" NORD LOCK WASHER
26	2	618119	9/16MJIC-90-9/16MOR LBO
NS	1	650429	DECAL SHEET, 120' ALUM BOOM '12
28	1	693113	SENSOR, NORAC UC5 ULTRASONIC
29	4	900002N	1/4UNC x 3/4 HEX BOLT
30	5	900804	1/2UNC X 1 1/2 HEX BOLT GR8 YZ
31	1	900860	1" UNC X 7 1/2" HEX BOLT GR8
32	3	900861	1" UNC X 4 1/2 HEX BOLT GR8 YZ
33	3	900862	1" UNC X 6" HEX BOLT GR8 YZ
34	2	900870	7/8UNC X 4.50 FULL HEX BOLT GR8
35	4	910000	1/4UNC HEX NUT
36	2	910041	1 1/4UNF HEX NUT
37	5	914008N	1/2UNC SMTH FLG CTR LCK NUT YZ
38	7	914016	1" UNC HEX STOVER NUT
39	10	920004N	1/2 SAE FLAT WASHER
40	32	920008N	1" SAE FLAT WASHER



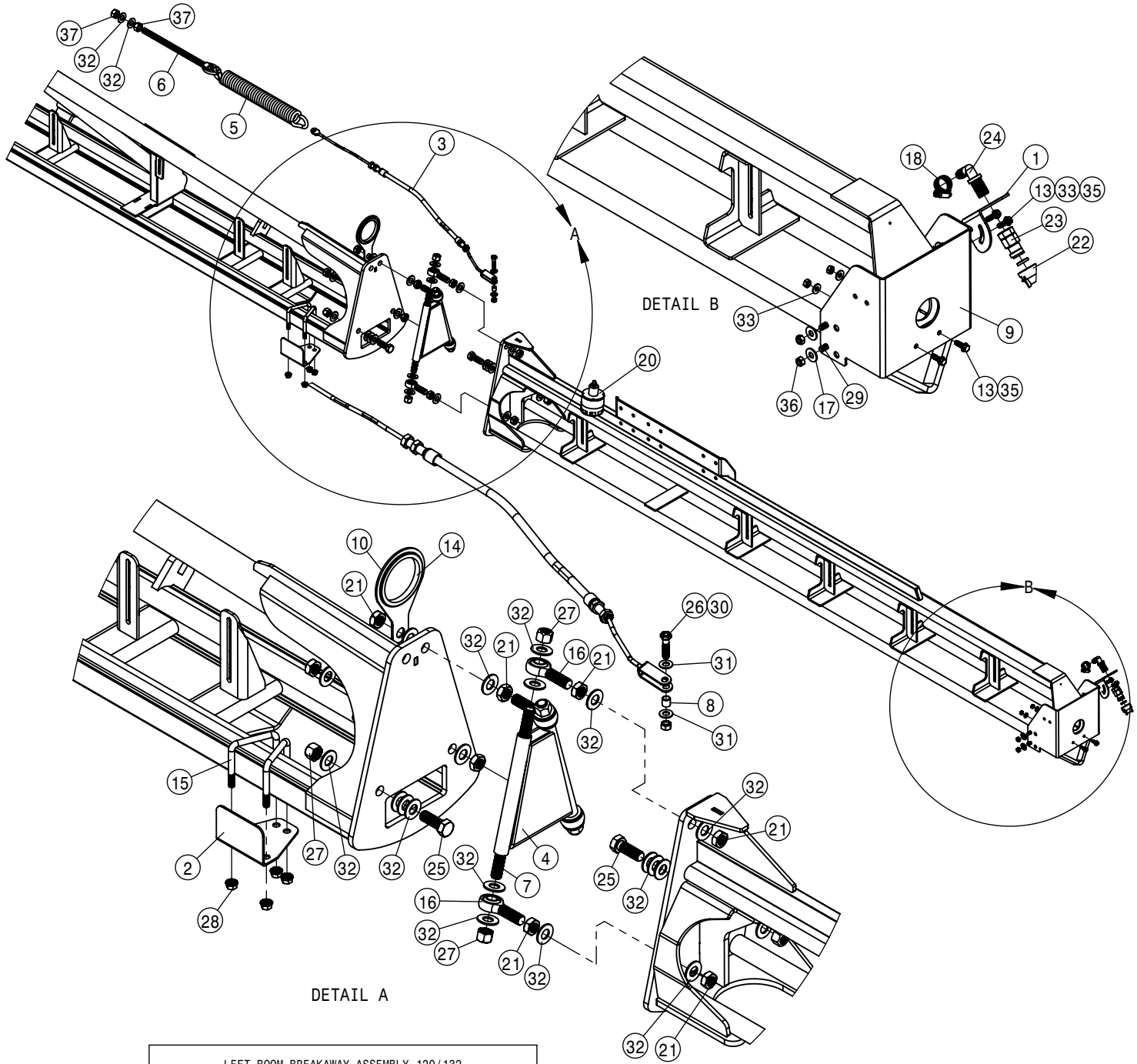
DETAIL A

DETAIL B

RIGHT BOOM BREAKAWAY ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
NS	1	294174	BOOM WING HARNESS 120'ALUM '12
NS	1	294176	AL 132FT BOOM WING HARNESS, '12
3	4	470087	3/8UNC HEX SERR FLANGE NUT
4	4	470118	1/4 UNC X 3/4 SER FLG BOLT
5	1	167135	BRKT MNT FOAM & FNCE ROW NOZL 7.5"
6	1	470691	GROMMET,3.000ID .125GW 3.25GD
7	2	472036	3/8UNC-2.63ID-2.88 U-BOLT SQ
8	4	473318	ROD END, BREAK AWAY 120'A'12
9	2	473911	5/16UNC-1.31ID-2.00 U-BOLT ZINC
10	4	483040	5/16 REGULAR FLAT WASHER
11	6	914810	5/8UNC HEX STOVER NUT GR8
12	2	900807	5/8UNC X 1 3/4 HEX BOLT GR8 YZ
13	1	520070	HOSE CLAMP NO 8 STAINLESS
14	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
15	1	900858	3/8UNC X 1 1/2 HEX BOLT GR8 YZ
16	8	695914	5/8UNF HEX JAM NUT SS
17	1	693113	SENSOR, NORAC UCS ULTRASONIC
18	1	737822	CAP SET, YELLOW QUICK TEEJET
NS	1	650429	DECAL SHEET,120' ALUM BOOM '12
20	1	737931	11/16-16F-QUICK TJET ADAPTER
21	1	166862	FENCE ROW NOZ BRKT RH, 120

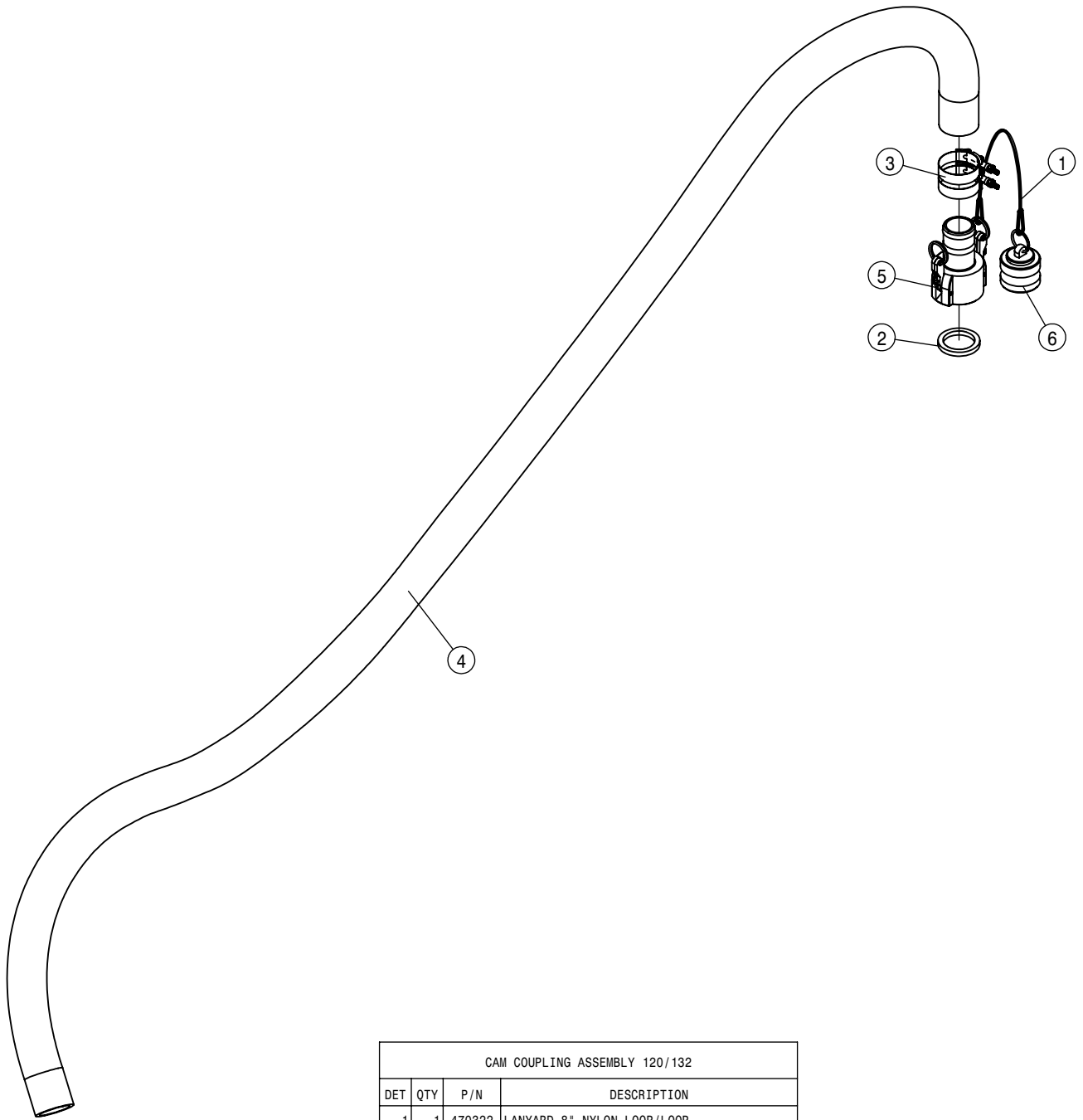
RIGHT BOOM BREAKAWAY ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
22	1	167069	PROX FLAG BRKT OTR SECT1-2 120'A'12
23	1	167097	A-FRAME WLD 120'A'12
24	1	167106	SPRING,BREAK AWAY 120'A'12
25	1	167107	BOOM SPRING ROD ASSY 120'A'12
26	2	167108	HINGE PIN BREAK AWAY 120'A'12
27	1	167125	BRONZE BUSHING .5 OD X .058 WA
28	1	167334	HOSE RING PLT, 3 INCH
29	1	167092	CABLE,BREAK AWAY 120'A'12
30	1	914004	3/8-16UNC STOVER NUT MC GR5
31	2	920002	SAE FLAT WASHER 3/8 MC
32	4	914000	1/4-20UNC STOVER NUT MC GR5
33	4	914002	5/16-18UNC STOVER NUT MC GR5
34	26	920005	SAE FLAT WASHER 5/8 MC
35	4	910112	SAE FLAT WASHER 1/4 SS
36	2	910010	5/8-11UNC HEX NUT MC GR5



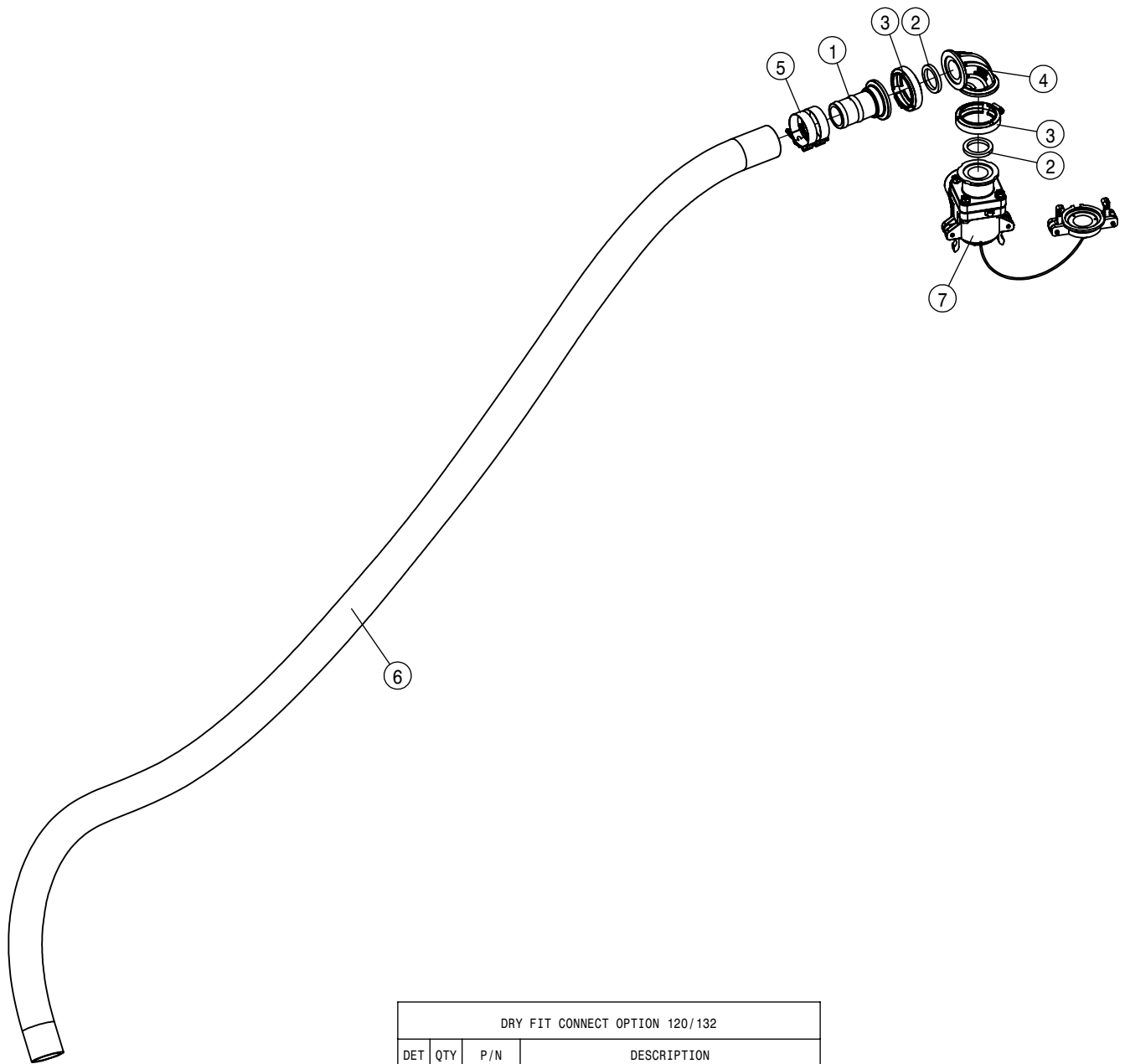


LEFT BOOM BREAKAWAY ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	166863	FENCE ROW NOZ BRKT LH, 120
2	1	167069	PROX FLAG BRKT OTR SECT1-2 120'A'12
3	1	167092	CABLE,BREAK AWAY 120'A'12
4	1	167097	A- FRAME WLD 120'A'12
5	1	167106	SPRING,BREAK AWAY 120'A'12
6	1	167107	BOOM SPRING ROD ASSY 120'A'12
7	2	167108	HINGE PIN BREAK AWAY 120'A'12
8	1	167125	BRONZE BUSHING .5 OD X .058 WA
9	1	167135	BRKT MNT FOAM & FNCE ROW NOZL 7.5"
10	1	167334	HOSE RING PLT, 3 INCH
NS	1	294174	BOOM WING HARNESS 120'ALUM '12
NS	1	294176	AL 132FT BOOM WING HARNESS, '12
13	4	470118	1/4 UNC X 3/4 SER FLG BOLT
14	1	470691	GROMMET,3.000ID .125GW 3.256D
15	2	472036	3/8UNC-2.63ID-2.88 U-BOLT SQ
16	4	473318	ROD END, BREAK AWAY 120'A'12
17	4	483040	5/16 REGULAR FLAT WASHER
18	1	520070	HOSE CLAMP NO 8 STAINLESS
NS	1	650429	DECAL SHEET,120' ALUM BOOM '12

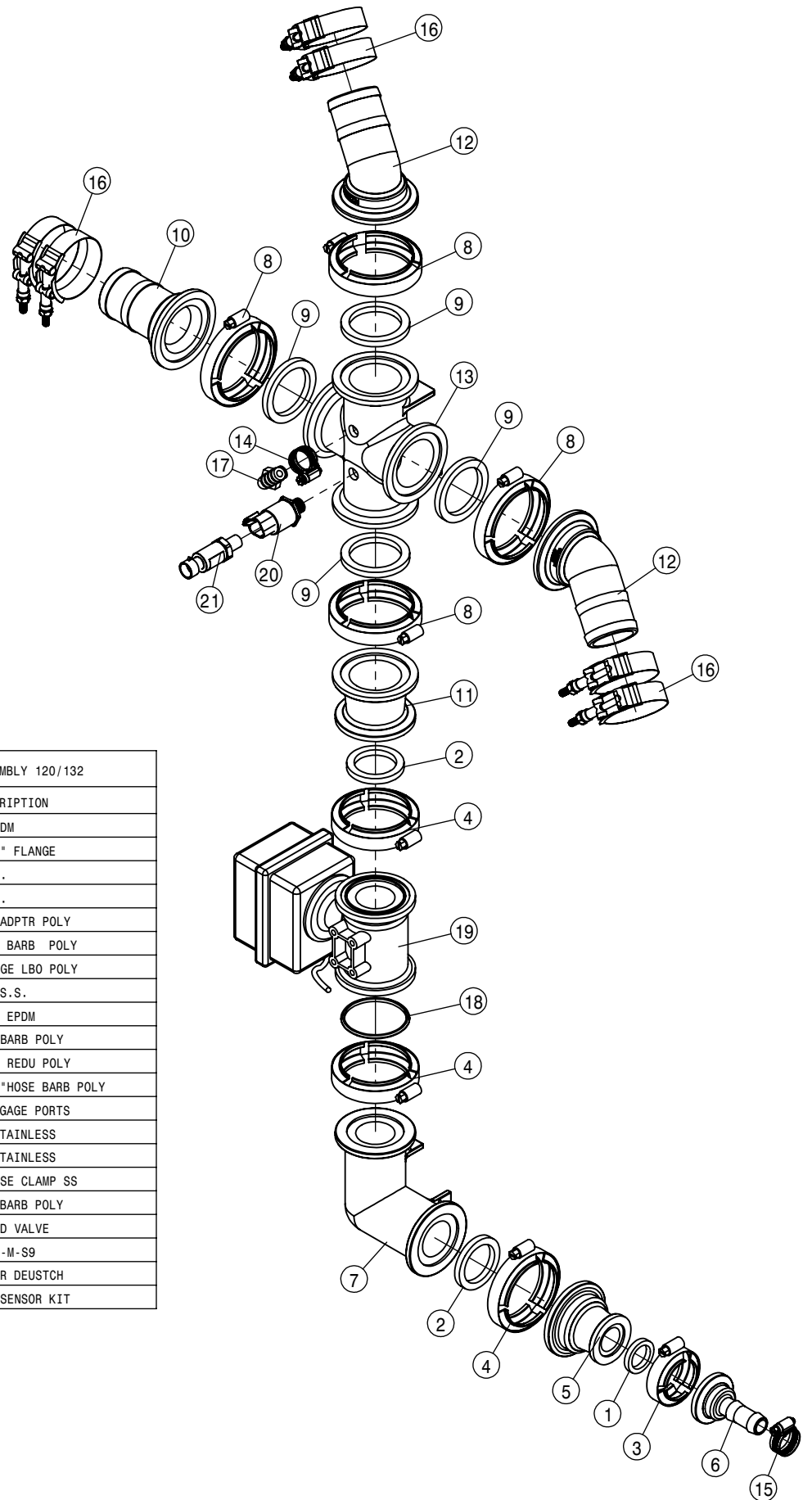
LEFT BOOM BREAKAWAY ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
20	1	693113	SENSOR, NORAC UC5 ULTRASONIC
21	8	695914	5/8UNF HEX JAM NUT SS
22	1	737822	CAP SET, YELLOW QUICK TEEJET
23	1	737931	11/16-16F-QUICK TJET ADAPTER
24	1	737932	11/16MPS-90-1/2 HBARB NOZLBODY
25	2	900807	5/8UNC X 1 3/4 HEX BOLT GR8 YZ
26	1	900858	3/8UNC X 1 1/2 HEX BOLT GR8 YZ
27	6	914810	5/8UNC HEX STOVER NUT GR8
28	4	470087	3/8UNC HEX SERR FLANGE NUT
29	2	473911	5/16UNC-1.31ID-2.00 U-BOLT ZINC
30	1	914004	3/8-16UNC STOVER NUT MC GR5
31	2	920002	SAE FLAT WASHER 3/8 MC
32	28	920005	SAE FLAT WASHER 5/8 MC
33	4	910112	SAE FLAT WASHER 1/4 SS
34	1	920004	SAE FLAT WASHER 1/2 MC
35	4	914000	1/4-20UNC STOVER NUT MC GR5
36	4	914002	5/16-18UNC STOVER NUT MC GR5
37	4	910010	5/8-11UNC HEX NUT MC GR5



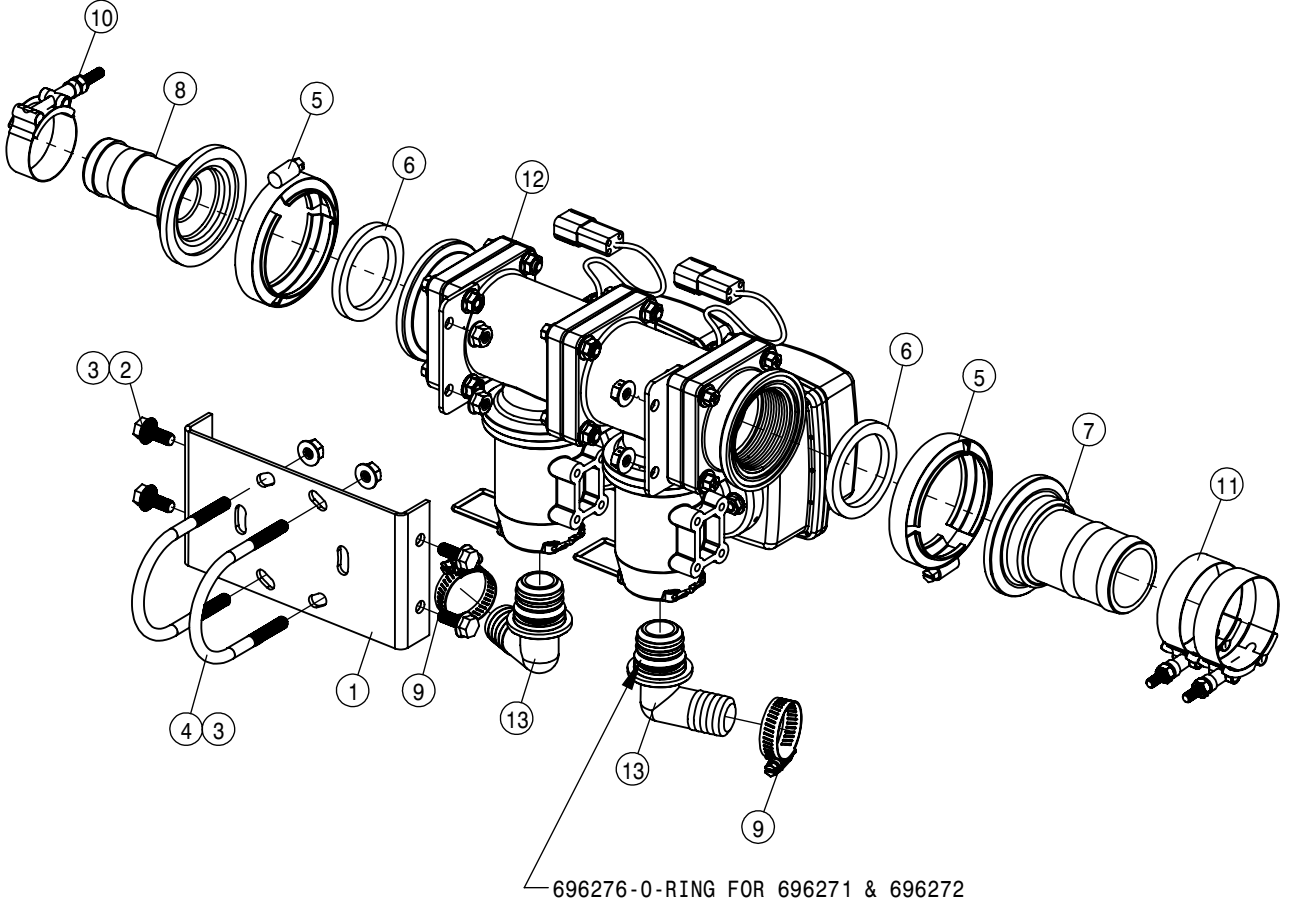
CAM COUPLING ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	470322	LANYARD 8" NYLON LOOP/LOOP
2	1	500231	2"FP FLANGE GASKET,EXTRA THICK
3	2	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
4	1	601909	HOSE, 2 X 105 2F-IW EPDM
5	1	690272	2" FEM COUPLER W/LOCK,2" BARB
6	1	690392	PLUG FOR 2.00 FEMALE COUPLER



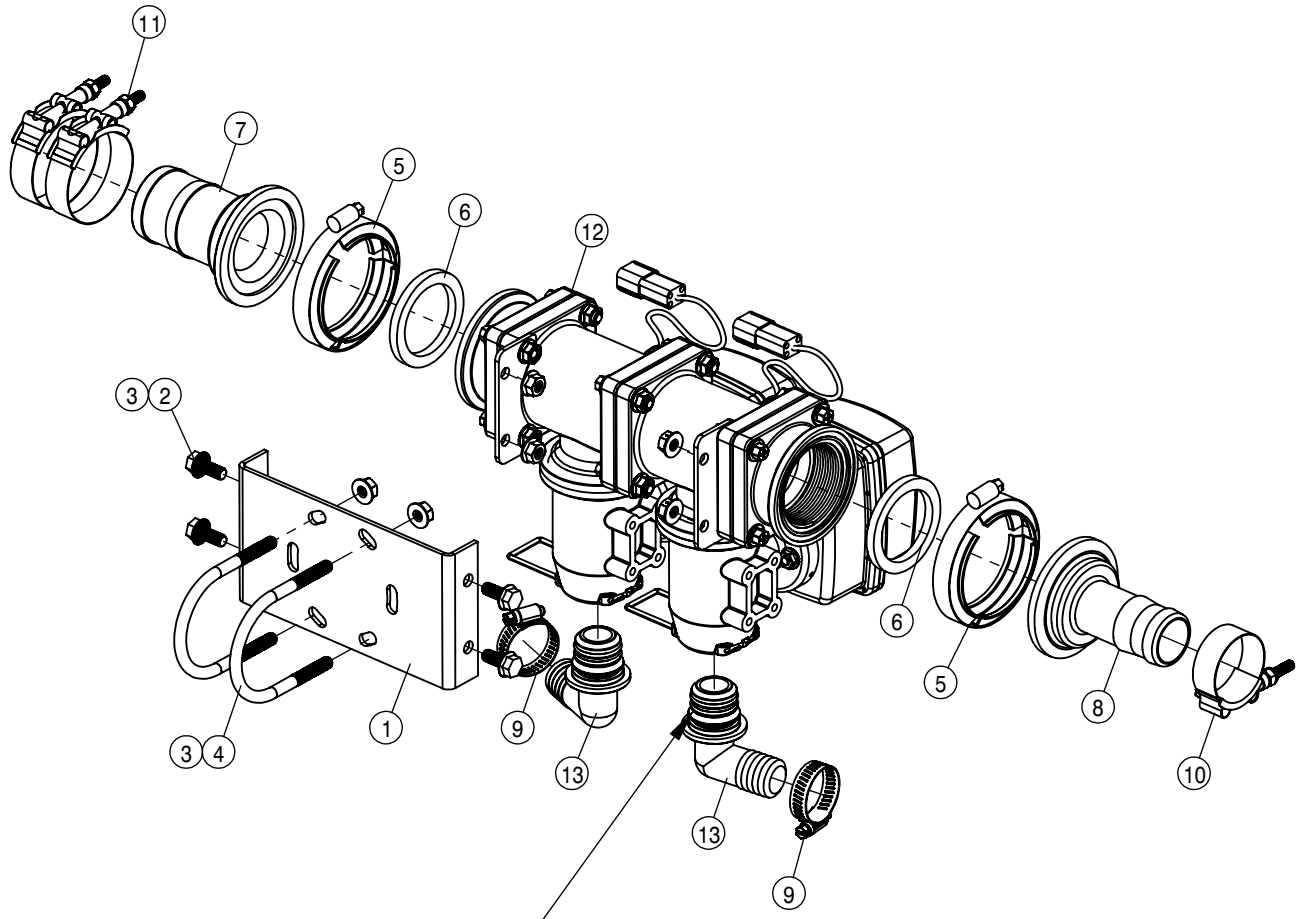
DRY FIT CONNECT OPTION 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	500154	2" FLANGE-2" HOSE BARB POLY
2	2	500158	1 1/2" GASKET FOR 2" FLANGE
3	2	500160	2" FLANGE CLAMP S.S.
4	1	500266	2" FLANGE SWEEP 90
5	2	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
6	1	601082	HOSE, 2 X 95 2F - 1W EPDM
7	1	696236	2"MALE MANFLD DRYMATE VLV,POLY



CENTER SOLUTION VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
	1	500157	1" FLANGE GASKET EPDM
	2	500158	1 1/2" GASKET FOR 2" FLANGE
	3	500159	1" FLANGE CLAMP S.S.
	4	500160	2" FLANGE CLAMP S.S.
	5	500161	2" FLANGE-1" FLANGE ADPTR POLY
	6	500170	1" FLANGE-3/4" HOSE BARB POLY
	7	500180	2" FLANGE-90-2" FLANGE LBO POLY
	8	500194	2" FP FLANGE CLAMP S.S.
	9	500195	2" FP FLANGE GASKET EPDM
	10	500196	2" FP FLANGE-2" HOSE BARB POLY
	11	500199	2" FP FLANGE-2" FLANGE REDU POLY
	12	500255	2" FP FLANGE - 45- 2" HOSE BARB POLY
	13	503111	2" FP CROSS W/ TWO GAGE PORTS
	14	520070	HOSE CLAMP NO 8 STAINLESS
	15	520080	HOSE CLAMP NO 10 STAINLESS
	16	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
	17	618556	1/4NPT-90 1/2 HOSE BARB POLY
	18	696254	O-RING, KZCO FLANGED VALVE
	19	696256	VALVE, KZCO C2F-60B-M-S9
	20	693986	RVN PRESS TRANSDUCER DEUSTCH
	21	693974	AG LEADER PRESSURE SENSOR KIT

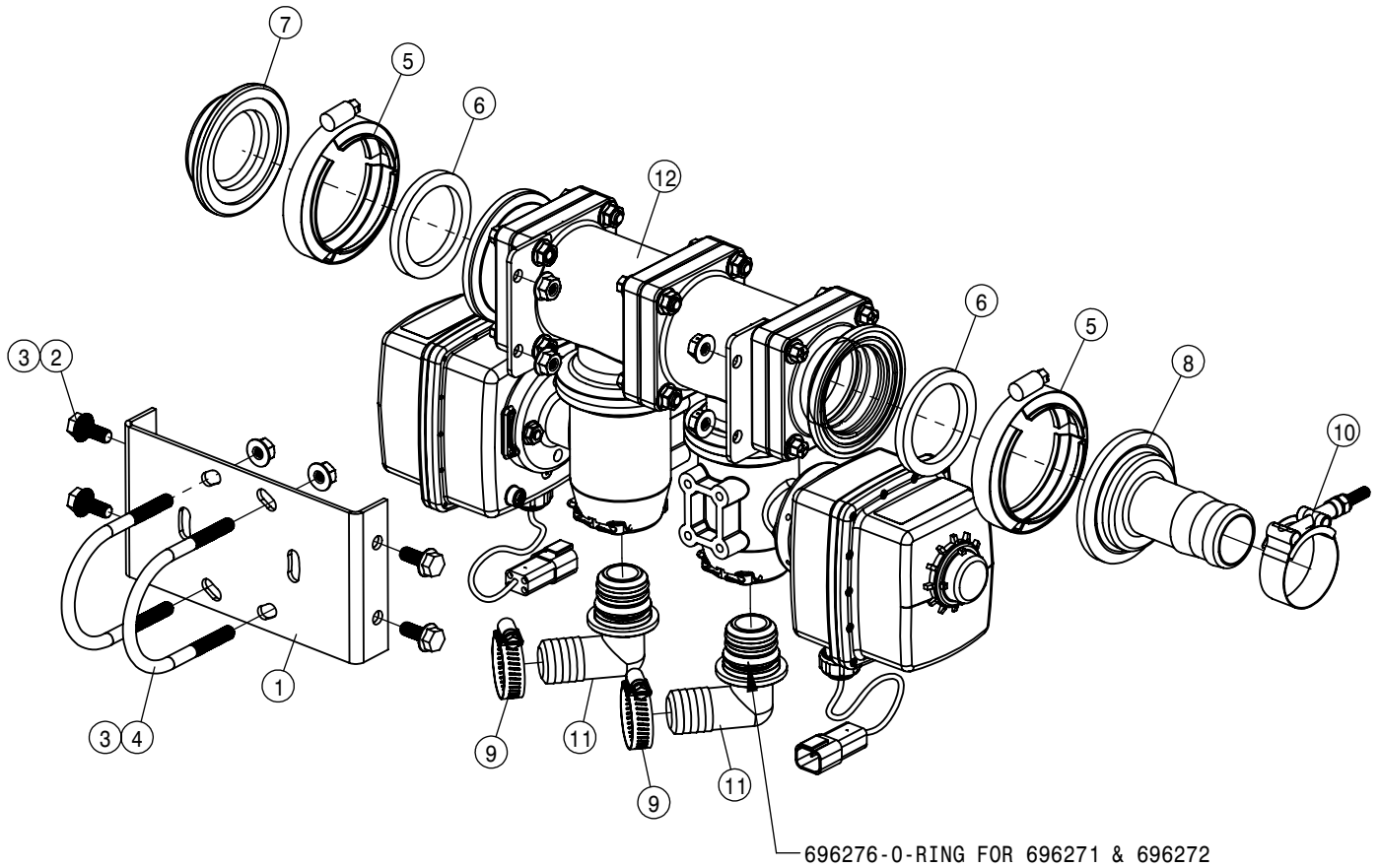


RIGHT INNER SOLUTION VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167335	MTG BRKT SLTN VALVE 120' - 1
2	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
3	8	470570	5/16UNC HEX FLG CNTR LOCK NUT
4	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
5	2	500194	2" FP FLANGE CLAMP S.S.
6	2	500195	2" FP FLANGE GASKET EPDM
7	1	500196	2"FP FLANGE-2"HOSE BARB POLY
8	1	500230	2" FP FLANGE PLUG-1 1/2" HOSE BARB
9	2	520090	HOSECLAMP NO 16 STAINLESS
10	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
11	2	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
12	1	696270	2-VALVE STACK, QX4 KZCO
13	2	696272	1" 90 HOSE BARB FOR 696270, KZCO

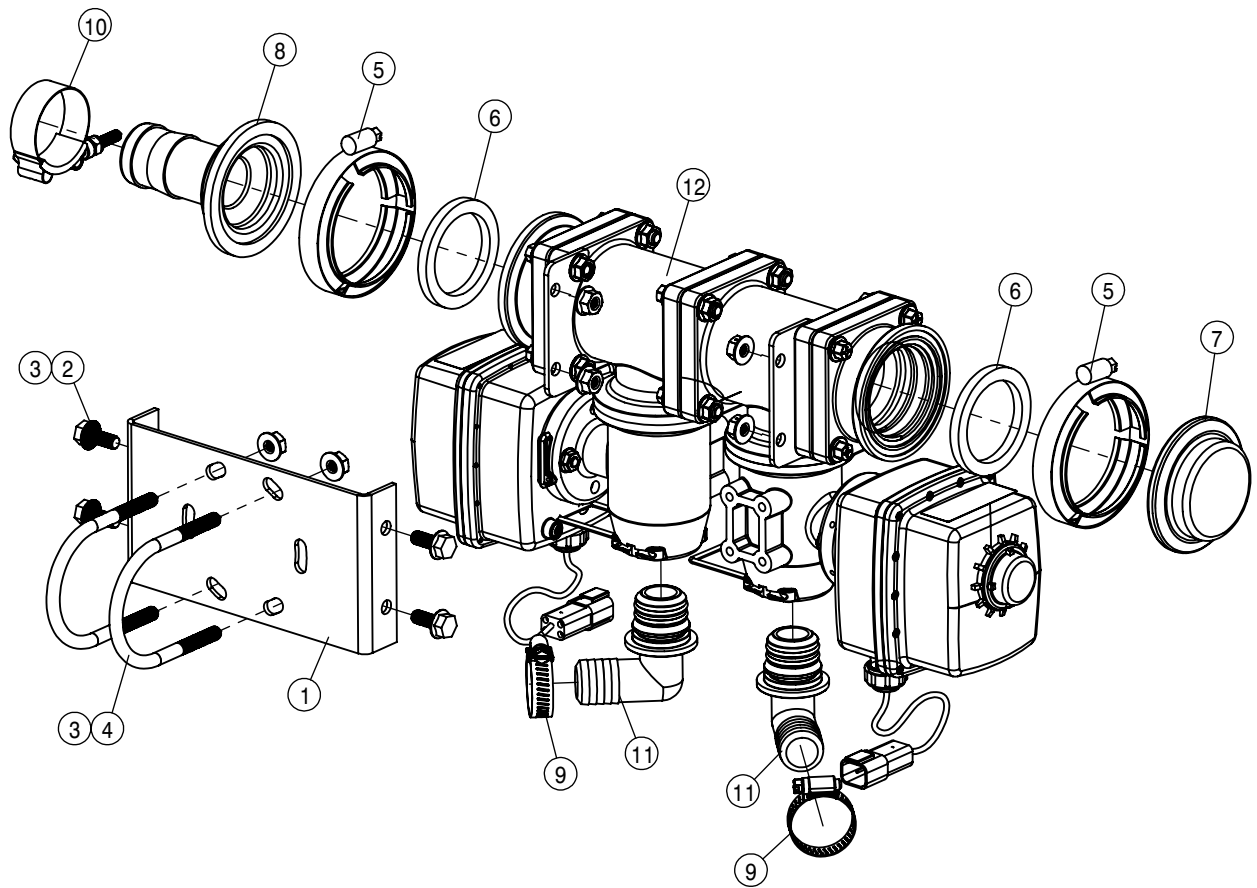


696276-0-RING FOR 696271 & 696272

LEFT INNER SOLUTION VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167335	MTG BRKT SLTN VALVE 120' - 1
2	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
3	8	470570	5/16UNC HEX FLG CNTR LOCK NUT
4	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
5	2	500194	2" FP FLANGE CLAMP S.S.
6	2	500195	2" FP FLANGE GASKET EPDM
7	1	500196	2"FP FLANGE-2"HOSE BARB POLY
8	1	500230	2" FP FLANGE PLUG-1 1/2" HOSE BARB
9	2	520090	HOSECLAMP NO 16 STAINLESS
10	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
11	2	520141	2.31/2.62 T-BOLT HOSE CLAMP SS
12	1	696270	2-VALVE STACK, QX4 KZCO
13	2	696272	1" 90 HOSE BARB FOR 696270, KZCO

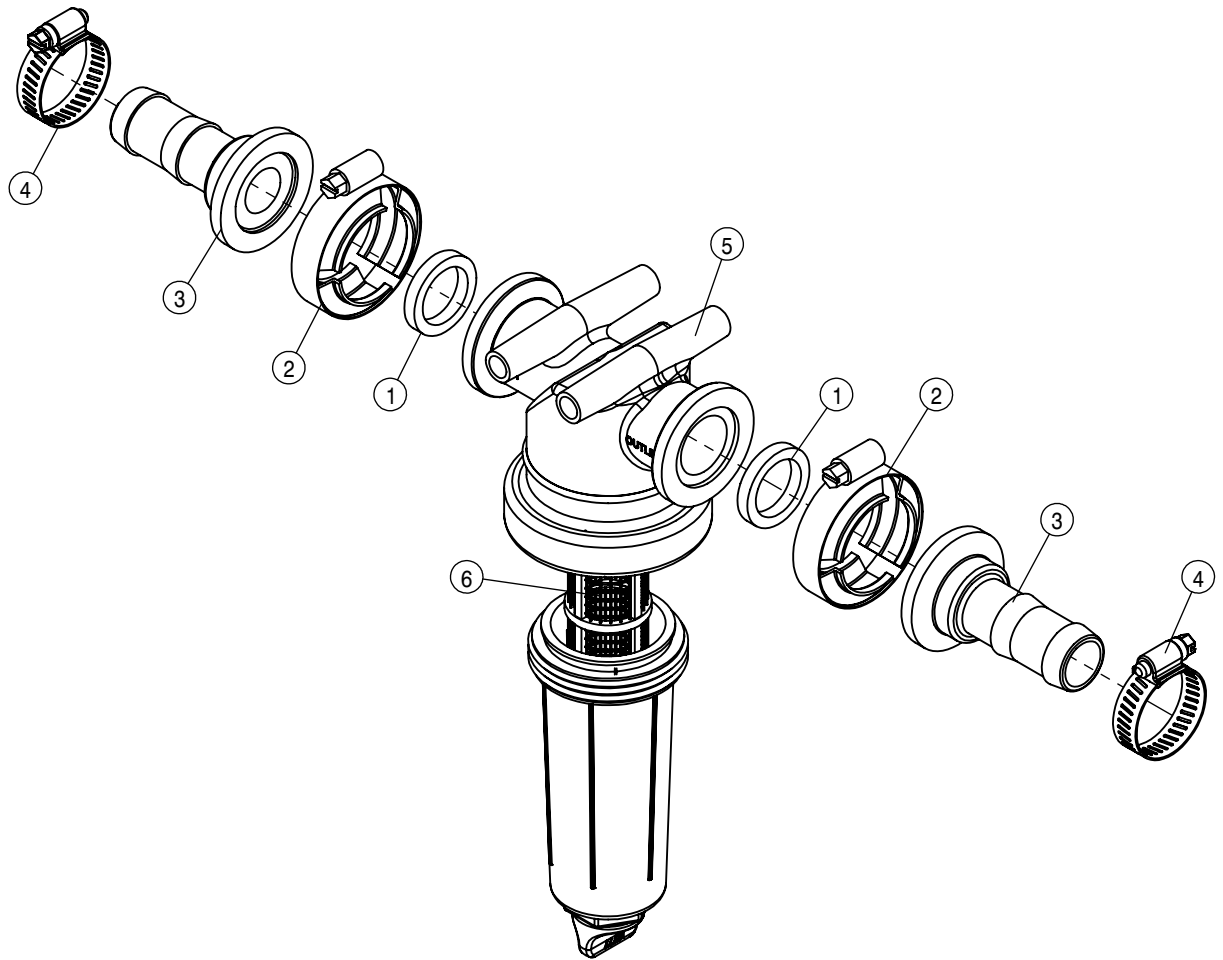


RIGHT OUTER SOLUTION VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167335	MTG BRKT SLTN VALVE 120' - 1
2	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
3	8	470570	5/16UNC HEX FLG CNTR LOCK NUT
4	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
5	2	500194	2" FP FLANGE CLAMP S.S.
6	2	500195	2" FP FLANGE GASKET EPDM
7	1	500206	2"FP FLANGE PLUG
8	1	500230	2" FP FLANGE PLUG-1 1/2" HOSE BARB
9	2	520090	HOSECLAMP NO 16 STAINLESS
10	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
11	2	696272	1" 90 HOSE BARB FOR 696270, KZCO
12	1	696295	2-VALVE STACK, QX4 KZCO

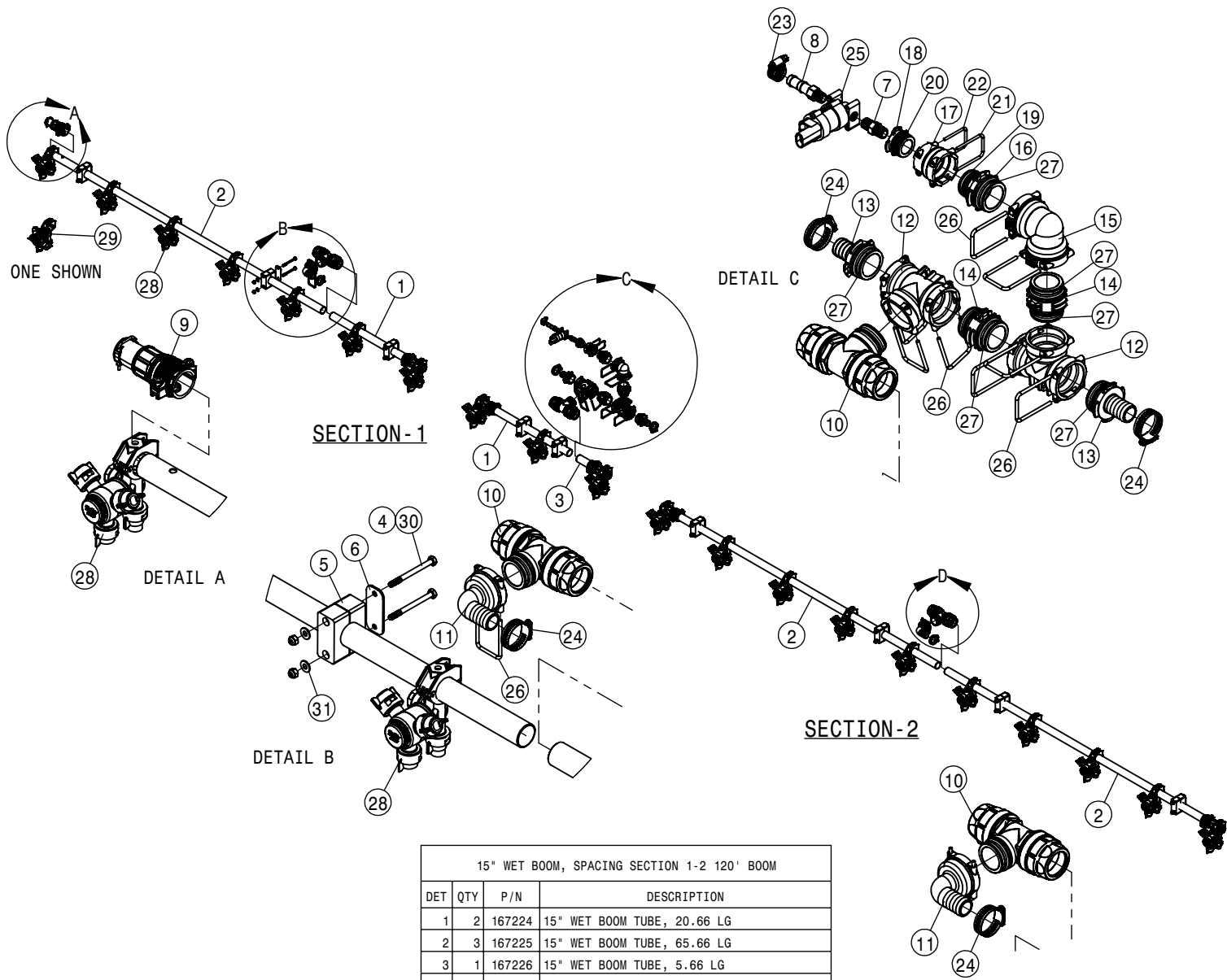


LEFT OUTER SOLUTION VALVE ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	1	167335	MTG BRKT SLTN VALVE 120' - 1
2	4	470233	5/16UNC X 3/4 SERR FLG HEX BOLT
3	8	470570	5/16UNC HEX FLG CNTR LOCK NUT
4	2	473974	5/16UNC-2 9/16-3 1/2 U-BOLT SS
5	2	500194	2" FP FLANGE CLAMP S.S.
6	2	500195	2" FP FLANGE GASKET EPDM
7	1	500206	2"FP FLANGE PLUG
8	1	500230	2" FP FLANGE PLUG-1 1/2" HOSE BARB
9	2	520090	HOSECLAMP NO 16 STAINLESS
10	1	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
11	2	696272	1" 90 HOSE BARB FOR 696270, KZCO
12	1	696295	2-VALVE STACK, QX4 KZCO

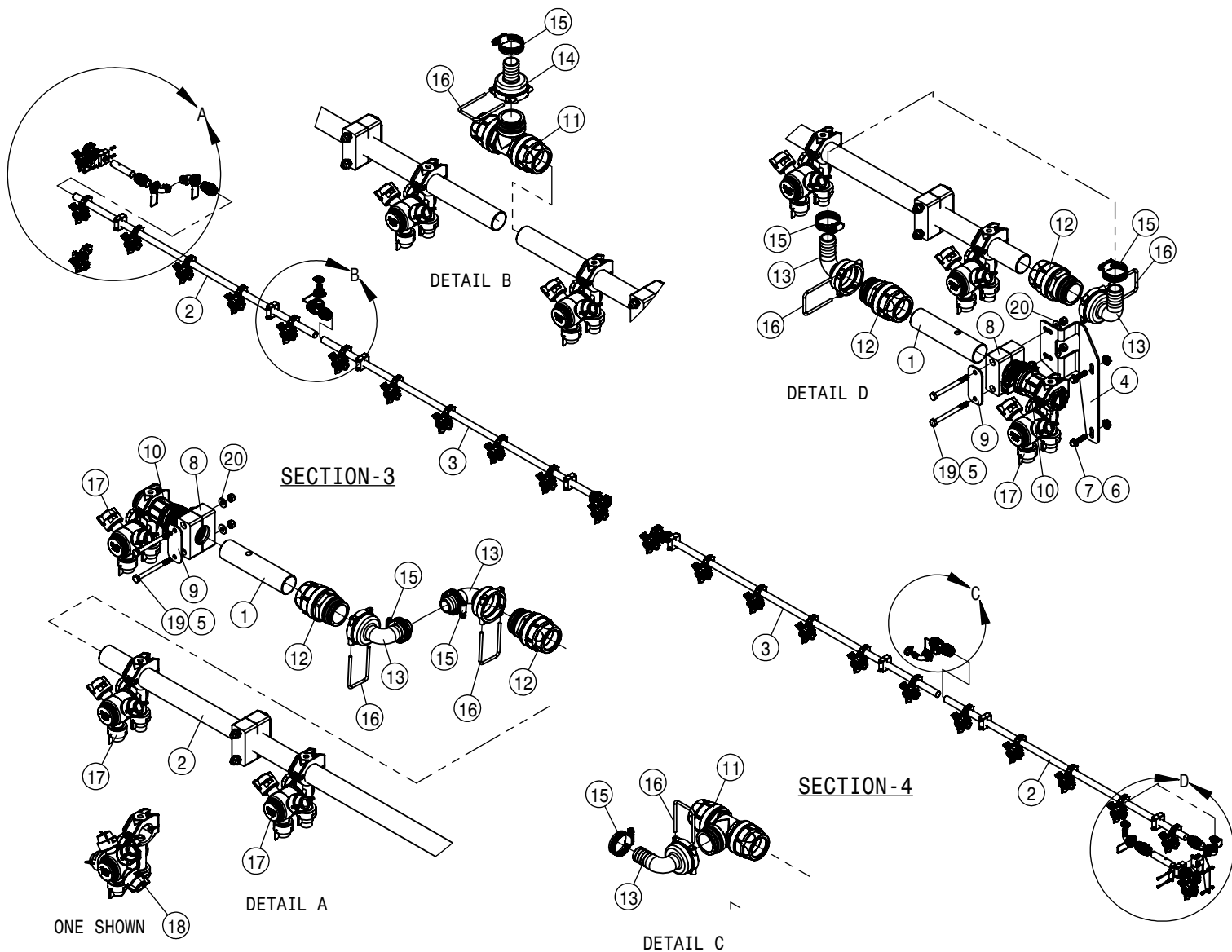




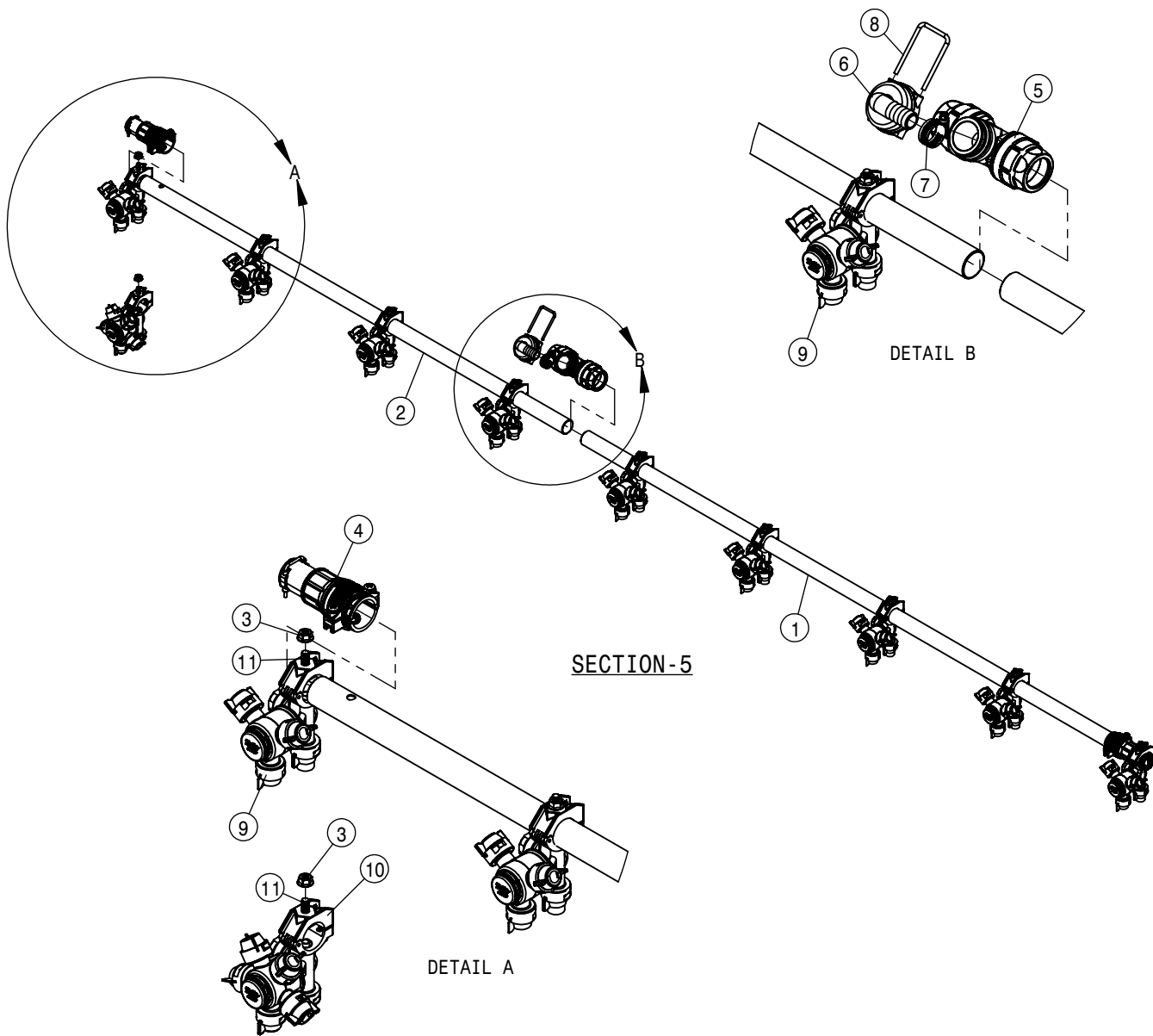
BOOM STRAINER ASSEMBLY 120/132			
DET	QTY	P/N	DESCRIPTION
1	2	500157	1" FLANGE GASKET EPDM
2	2	500159	1" FLANGE CLAMP S.S.
3	2	500171	1" FLANGE-1" HOSE BARB POLY
4	2	520090	HOSECLAMP NO 16 STAINLESS
5	1	690660	LINE "T" STRAINER, 1" FLANGE W/O SCREEN
6	1	690661	50 MESH SCREEN FOR 690660



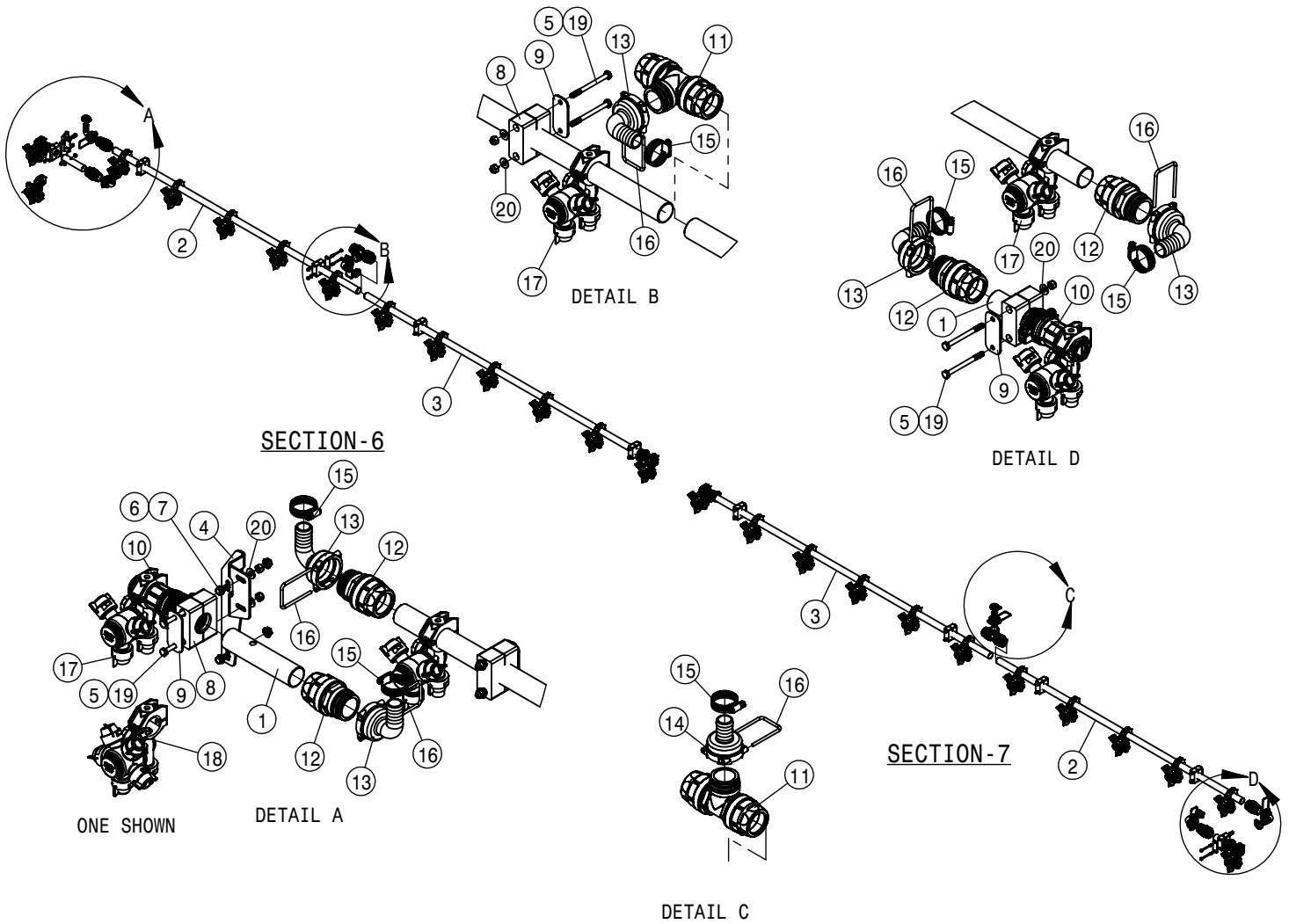
15" WET BOOM, SPACING SECTION 1-2 120' BOOM				
DET	QTY	P/N	DESCRIPTION	
1	2	167224	15" WET BOOM TUBE, 20.66 LG	
2	3	167225	15" WET BOOM TUBE, 65.66 LG	
3	1	167226	15" WET BOOM TUBE, 5.66 LG	
4	18	470089N	1/4UNC HEX NYLOC NUT, 316 SS	
5	9	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)	
6	9	470376	COVER PLATE FOR 470375	
7	1	500001	1/4MNPT HEX PIPE NIPPLE STL	
8	1	500128	1/4NPT-1/2 HOSE BARB, POLY	
9	6	500295	NOZZLE BODY END CAP	
10	3	500296	EASY FIT TEE 1" PIPE	
11	2	500299	T5 TO 25MM HB 90	
12	2	500300	T5 FEMALE TEE	
13	2	500301	T5 MALE TO 25MM HB	
14	2	500302	T5 MALE COUPLER	
15	1	500303	T5 FEMALE 90	
16	1	500304	T5 - T4 MALE REDUCER	
17	1	500305	T4 - T3 FEMALE REDUCER	
18	1	500306	T3 MALE TO 1/4" NPT	
19	1	500308	O-RING, 3.53MM X 28.17MM EPDM	
20	1	500309	O-RING, 2.62MM X 25.07MM EPDM	
21	1	500310	FORK D3 DIST 34.2	
22	1	500311	FORK D3 DIST 29	
23	1	520069	HOSE CLAMP NO 6 STAINLESS	
24	4	520090	HOSECLAMP NO 16 STAINLESS	
25	1	696235	1/4" ELECT SOLU SOLE VLV, 2203	
26	10	737738	FORK,D.3 DIST.42 (737731)	
27	7	737763	O-RING, 1 1/4"CONN EPDM	
28	20	737921	QUICK TJET 3-TIP BODY,1" HV	
29	20	737925	QUICK TJET 5 + 1-TIP BODY 1"	
30	18	900010N	1/4UNC X 3" HEX BOLT SS	
31	18	920000N	1/4 SAE FLAT WASHER SS	



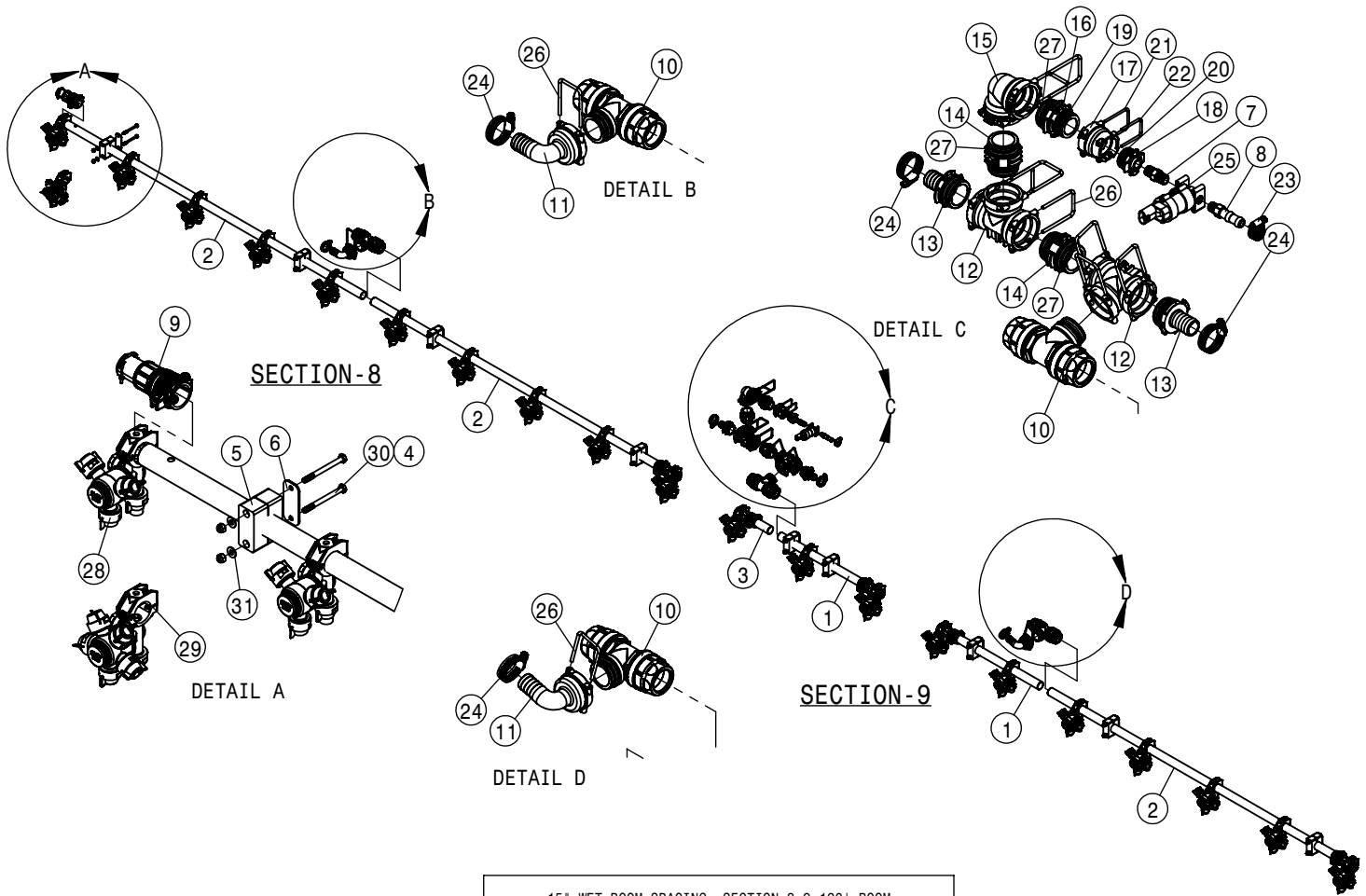
15" WET BOOM SPACING, SECTION 3-4 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	167226	15" WET BOOM TUBE, 5.66 LG
2	2	167227	15" WET BOOM TUBE, 69.50 LG
3	2	167228	15" WET BOOM TUBE, 80.66 LG
4	1	167256	REMOTE TUBE MNT LH 15" 120'A
5	20	470089N	1/4UNC HEX NYLOC NUT, 316 SS
6	2	470121N	1/4 UNC SERR FLG LOCK NUT SS
7	2	470231N	1/4UNC X 1" SERR FLG BOLT SS
8	10	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
9	10	470376	COVER PLATE FOR 470375
10	4	500295	NOZZLE BODY END CAP
11	2	500296	EASY FIT TEE 1" PIPE
12	4	500298	EASY FIT END T5, 1" PIPE
13	5	500299	T5 TO 25MM HB 90
14	1	500307	T5 FEMALE TO 25MM HB
15	6	520090	HOSECLAMP NO 16 STAINLESS
16	6	737738	FORK, D.3 DIST.42 (737731)
17	24	737921	QUICK TJET 3-TIP BODY, 1" HV
18	24	737925	QUICK TJET 5 + 1-TIP BODY 1"
19	20	900010N	1/4UNC X 3" HEX BOLT SS
20	20	920000N	1/4 SAE FLAT WASHER SS



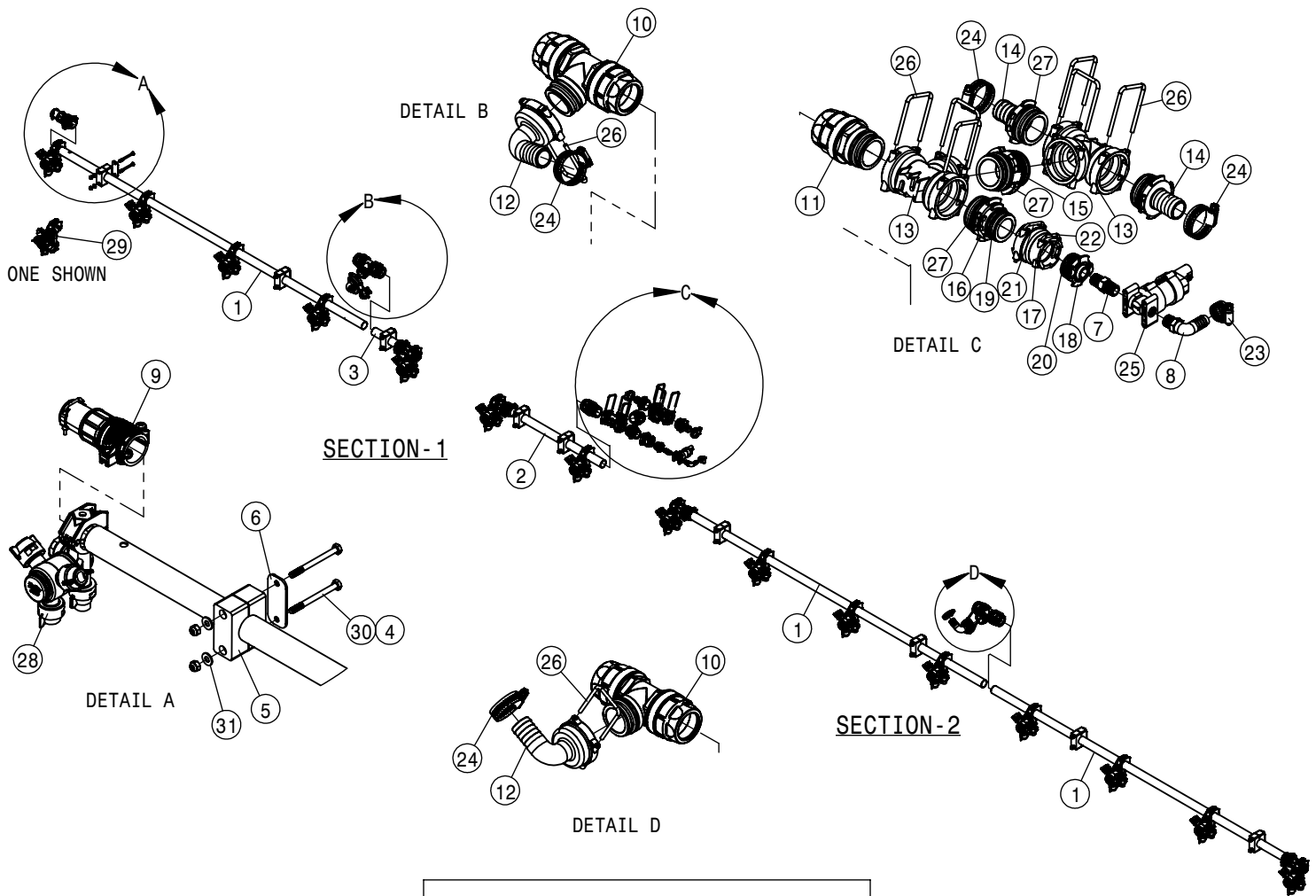
15" WET BOOM SPACING, SECTION-5 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	167225	15" WET BOOM TUBE, 65.66 LG
2	1	167229	15" WET BOOM TUBE, 50.66 LG
3	18	470113N	5/16UNC SERR FLG LOCK NUT SS
4	2	500295	NOZZLE BODY END CAP
5	1	500296	EASY FIT TEE 1" PIPE
6	1	500297	T5 TO 20MM HB 90
7	1	520080	HOSE CLAMP NO 10 STAINLESS
8	1	737738	FORK,D.3 DIST.42 (737731)
9	9	737921	QUICK TJET 3-TIP BODY,1" HV
10	9	737925	QUICK TJET 5 + 1-TIP BODY 1"
11	18	900064S	5/16UNC X 3/4" HEX BOLT SS



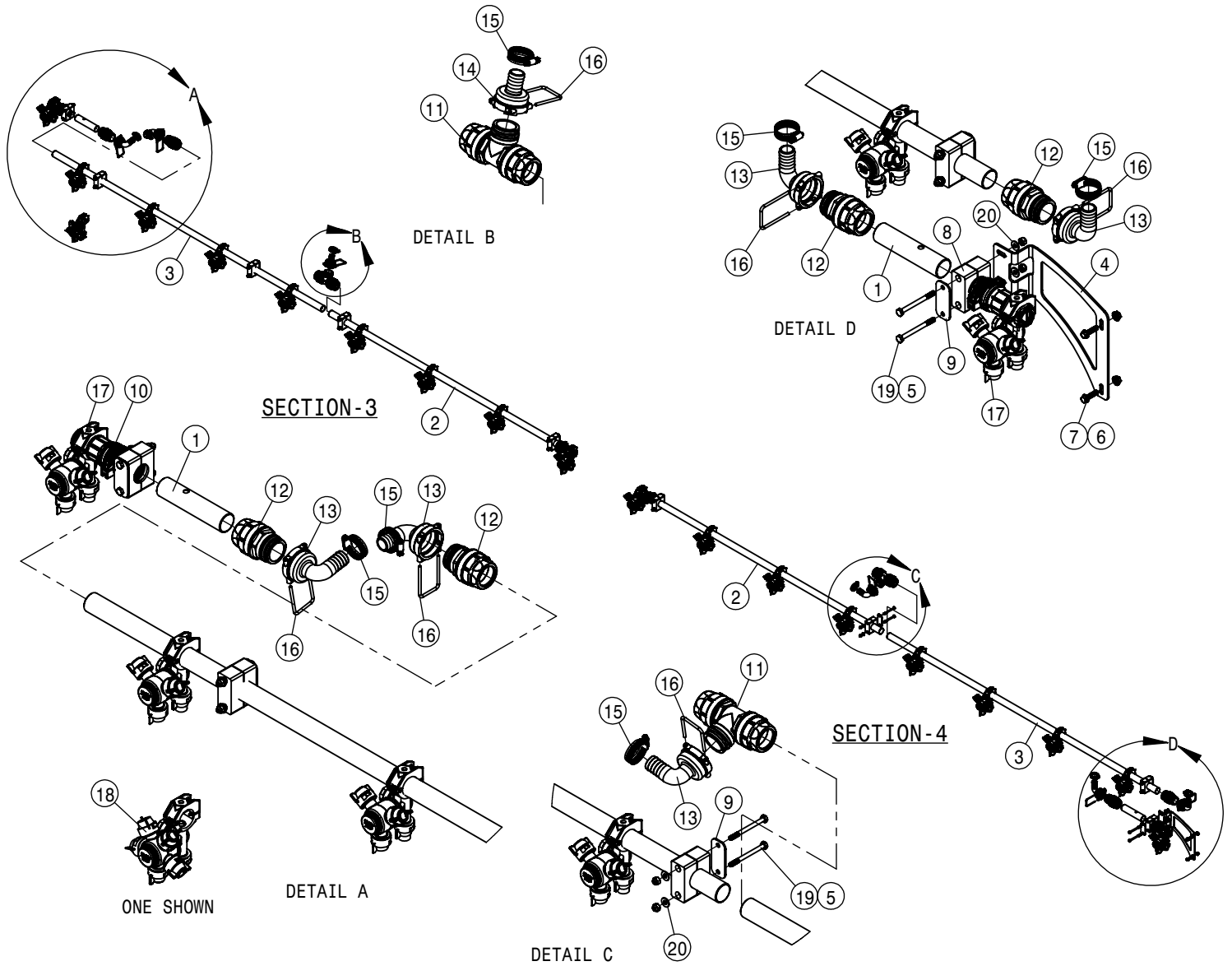
15" WET BOOM SPACING, SECTION 6-7 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	167226	15" WET BOOM TUBE, 5.66 LG
2	2	167227	15" WET BOOM TUBE, 69.50 LG
3	2	167228	15" WET BOOM TUBE, 80.66 LG
4	1	167257	REMOTE TUBE MNT RH 15" 120'A
5	20	470089N	1/4UNC HEX NYLOC NUT, 316 SS
6	2	470121N	1/4 UNC SERR FLG LOCK NUT SS
7	2	470231N	1/4UNC X 1" SERR FLG BOLT SS
8	10	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
9	10	470376	COVER PLATE FOR 470375
10	4	500295	NOZZLE BODY END CAP
11	2	500296	EASY FIT TEE 1" PIPE
12	4	500298	EASY FIT END T5, 1" PIPE
13	5	500299	T5 TO 25MM HB 90
14	1	500307	T5 FEMALE TO 25MM HB
15	6	520090	HOSECLAMP NO 16 STAINLESS
16	6	737738	FORK,D.3 DIST.42 (737731)
17	24	737921	QUICK TJET 3-TIP BODY,1" HV
18	24	737925	QUICK TJET 5 + 1-TIP BODY 1"
19	20	900010N	1/4UNC X 3" HEX BOLT SS
20	20	920000N	1/4 SAE FLAT WASHER SS



15" WET BOOM SPACING, SECTION 8-9 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	167224	15" WET BOOM TUBE, 20.66 LG
2	3	167225	15" WET BOOM TUBE, 65.66 LG
3	1	167226	15" WET BOOM TUBE, 5.66 LG
4	18	470089N	1/4UNC HEX NYLOC NUT, 316 SS
5	9	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
6	9	470376	COVER PLATE FOR 470375
7	1	500001	1/4MNPT HEX PIPE NIPPLE STL
8	1	500128	1/4NPT-1/2 HOSE BARB, POLY
9	6	500295	NOZZLE BODY END CAP
10	3	500296	EASY FIT TEE 1" PIPE
11	2	500299	T5 TO 25MM HB 90
12	2	500300	T5 FEMALE TEE
13	2	500301	T5 MALE TO 25MM HB
14	2	500302	T5 MALE COUPLER
15	1	500303	T5 FEMALE 90
16	1	500304	T5 - T4 MALE REDUCER
17	1	500305	T4 - T3 FEMALE REDUCER
18	1	500306	T3 MALE TO 1/4" NPT
19	1	500308	O-RING, 3.53MM X 28.17MM EPDM
20	1	500309	O-RING, 2.62MM X 25.07MM EPDM
21	1	500310	FORK D3 DIST 34.2
22	1	500311	FORK D3 DIST 29
23	1	520069	HOSE CLAMP NO 6 STAINLESS
24	4	520090	HOSECLAMP NO 16 STAINLESS
25	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
26	10	737738	FORK,D.3 DIST.42 (737731)
27	7	737763	O-RING, 1 1/4" CONN EPDM
28	20	737921	QUICK TJET 3-TIP BODY,1" HV
29	20	737925	QUICK TJET 5 + 1-TIP BODY 1"
30	18	900010N	1/4UNC X 3" HEX BOLT SS
31	18	920000N	1/4 SAE FLAT WASHER SS

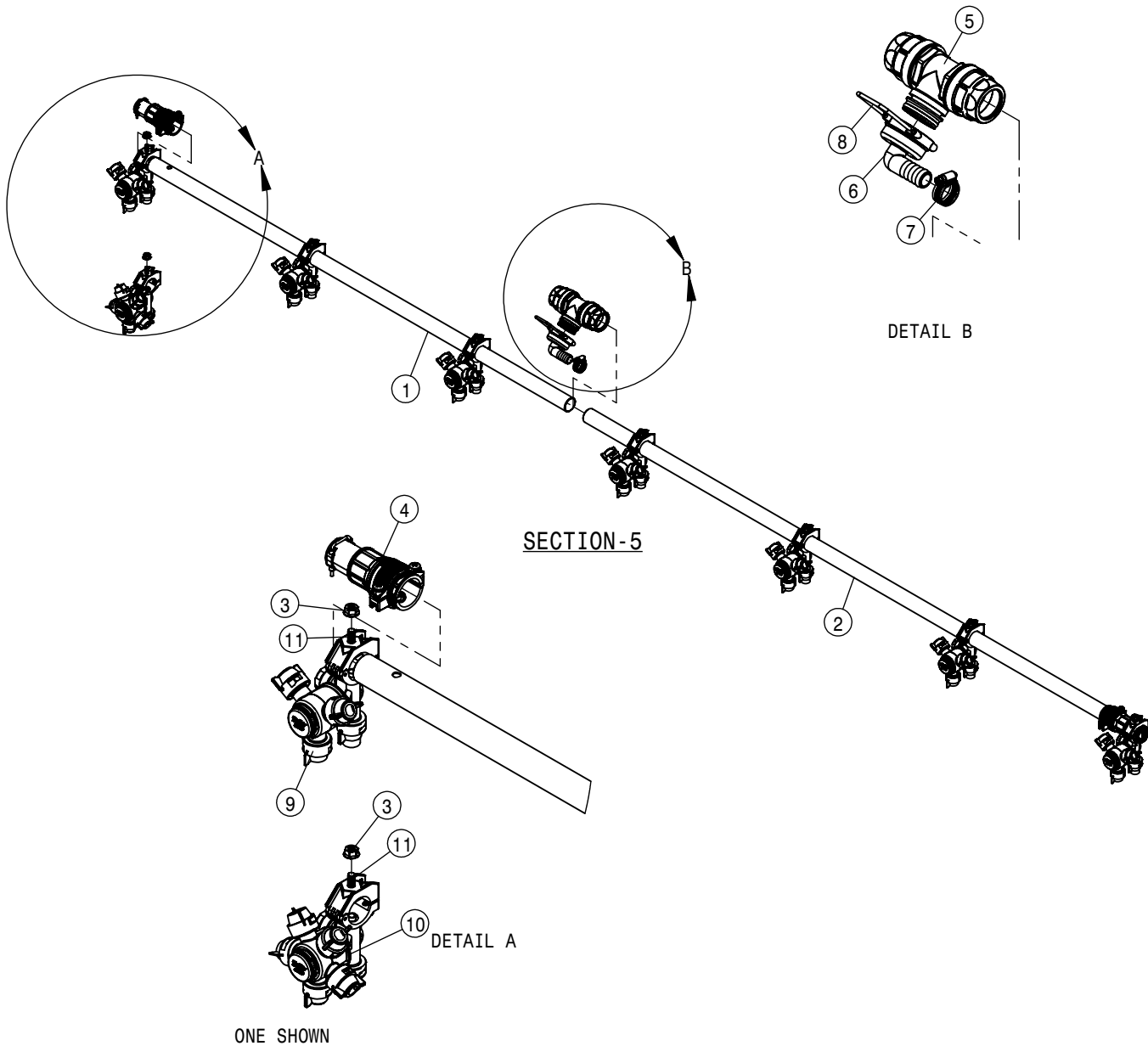


20" WET BOOM SPACING, SECTION 1-2 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	3	167230	20" WET BOOM TUBE, 68.13 LG
2	1	167233	20" WET BOOM TUBE, 23 LG
3	1	167234	20" WET BOOM TUBE, 8.13 LG
4	18	470089N	1/4UNC HEX NYLOC NUT, 316 SS
5	9	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
6	9	470376	COVER PLATE FOR 470375
7	1	500001	1/4MNPT HEX PIPE NIPPLE STL
8	1	500118	1/4"NPT-90-1/2"HOSE BARB, POLY
9	5	500295	NOZZLE BODY END CAP
10	2	500296	EASY FIT TEE 1" PIPE
11	1	500298	EASY FIT END T5, 1" PIPE
12	2	500299	T5 TO 25MM HB 90
13	2	500300	T5 FEMALE TEE
14	2	500301	T5 MALE TO 25MM HB
15	1	500302	T5 MALE COUPLER
16	1	500304	T5 - T4 MALE REDUCER
17	1	500305	T4 - T3 FEMALE REDUCER
18	1	500306	T3 MALE TO 1/4" NPT
19	1	500308	O-RING, 3.53MM X 28.17MM EPDM
20	1	500309	O-RING, 2.62MM X 25.07MM EPDM
21	1	500310	FORK D3 DIST 34.2
22	1	500311	FORK D3 DIST 29
23	1	520069	HOSE CLAMP NO 6 STAINLESS
24	4	520090	HOSECLAMP NO 16 STAINLESS
25	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
26	8	737738	FORK, D.3 DIST.42 (737731)
27	5	737763	O-RING, 1 1/4"CONN EPDM
28	15	737921	QUICK TJET 3-TIP BODY, 1" HV
29	15	737925	QUICK TJET 5 + 1-TIP BODY 1"
30	18	900010N	1/4UNC X 3" HEX BOLT SS
31	18	920000N	1/4 SAE FLAT WASHER SS

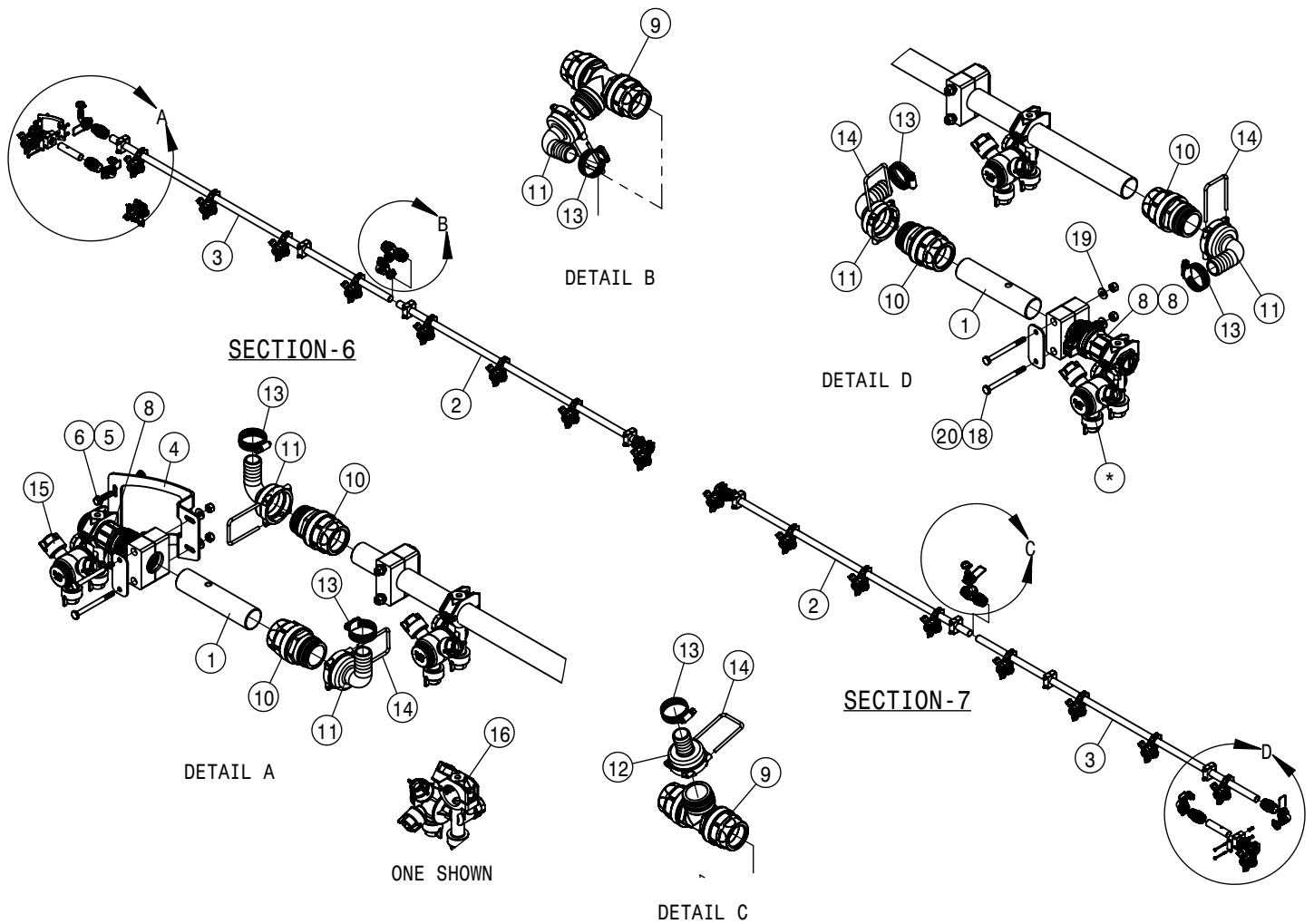


20" WET BOOM SPACING, SECTION 3-4 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	167226	15" WET BOOM TUBE, 5.66 LG
2	2	167230	20" WET BOOM TUBE, 68.13 LG
3	2	167232	20" WET BOOM TUBE, 77.00 LG
4	1	167258	REMOTE TUBE MNT LH 20" 120'A
5	18	470089N	1/4UNC HEX NYLOC NUT, 316 SS
6	2	470121N	1/4 UNC SERR FLG LOCK NUT SS
7	2	470231N	1/4UNC X 1" SERR FLG BOLT SS
8	9	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
9	9	470376	COVER PLATE FOR 470375
10	4	500295	NOZZLE BODY END CAP
11	2	500296	EASY FIT TEE 1" PIPE
12	4	500298	EASY FIT END T5, 1" PIPE
13	5	500299	T5 TO 25MM HB 90
14	1	500307	T5 FEMALE TO 25MM HB
15	6	520090	HOSECLAMP NO 16 STAINLESS
16	6	737738	FORK,D.3 DIST.42 (737731)
17	18	737921	QUICK TJET 3-TIP BODY,1" HV
18	18	737925	QUICK TJET 5 + 1-TIP BODY 1"
19	18	900010N	1/4UNC X 3" HEX BOLT SS
20	18	920000N	1/4 SAE FLAT WASHER SS

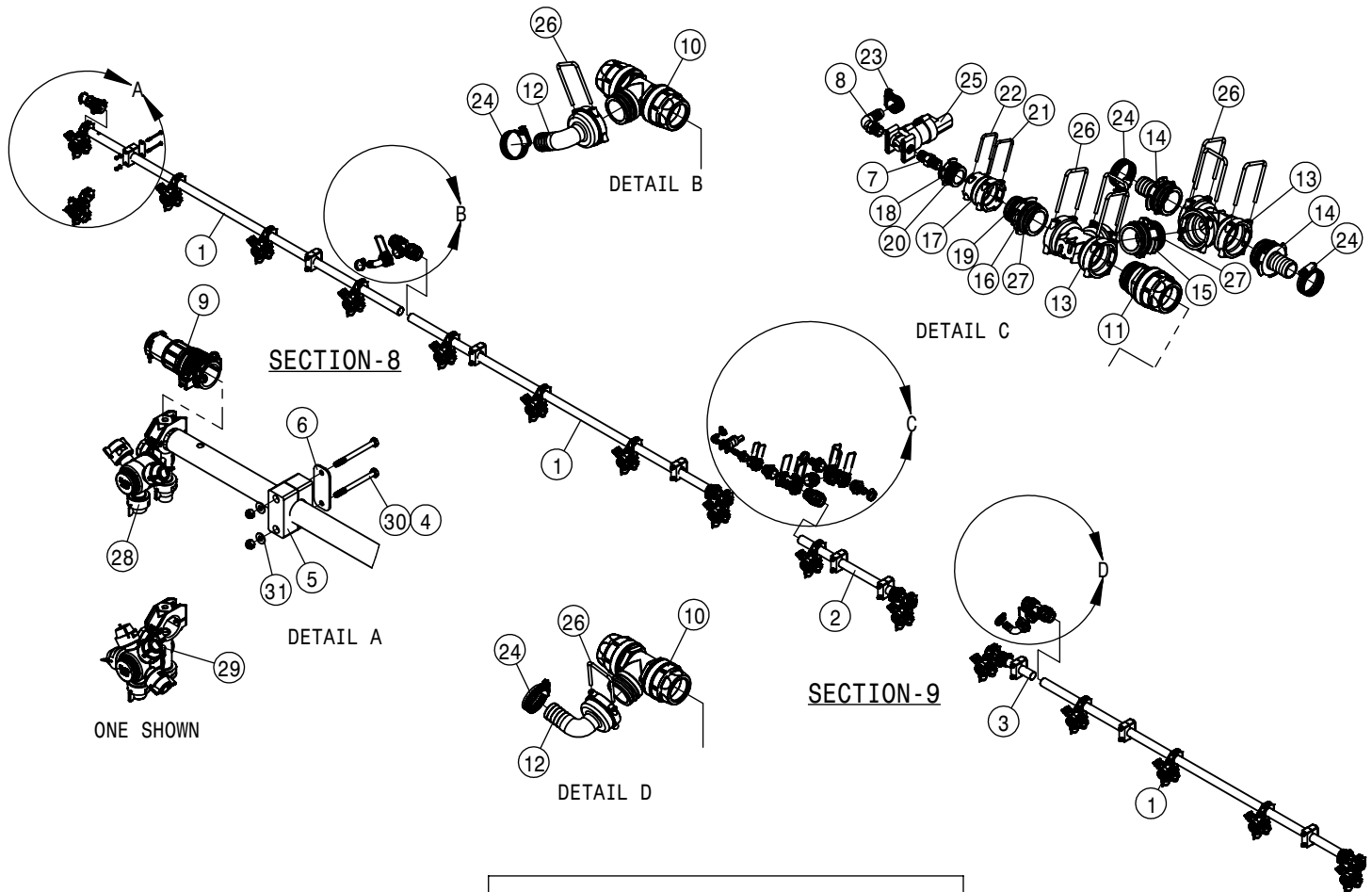




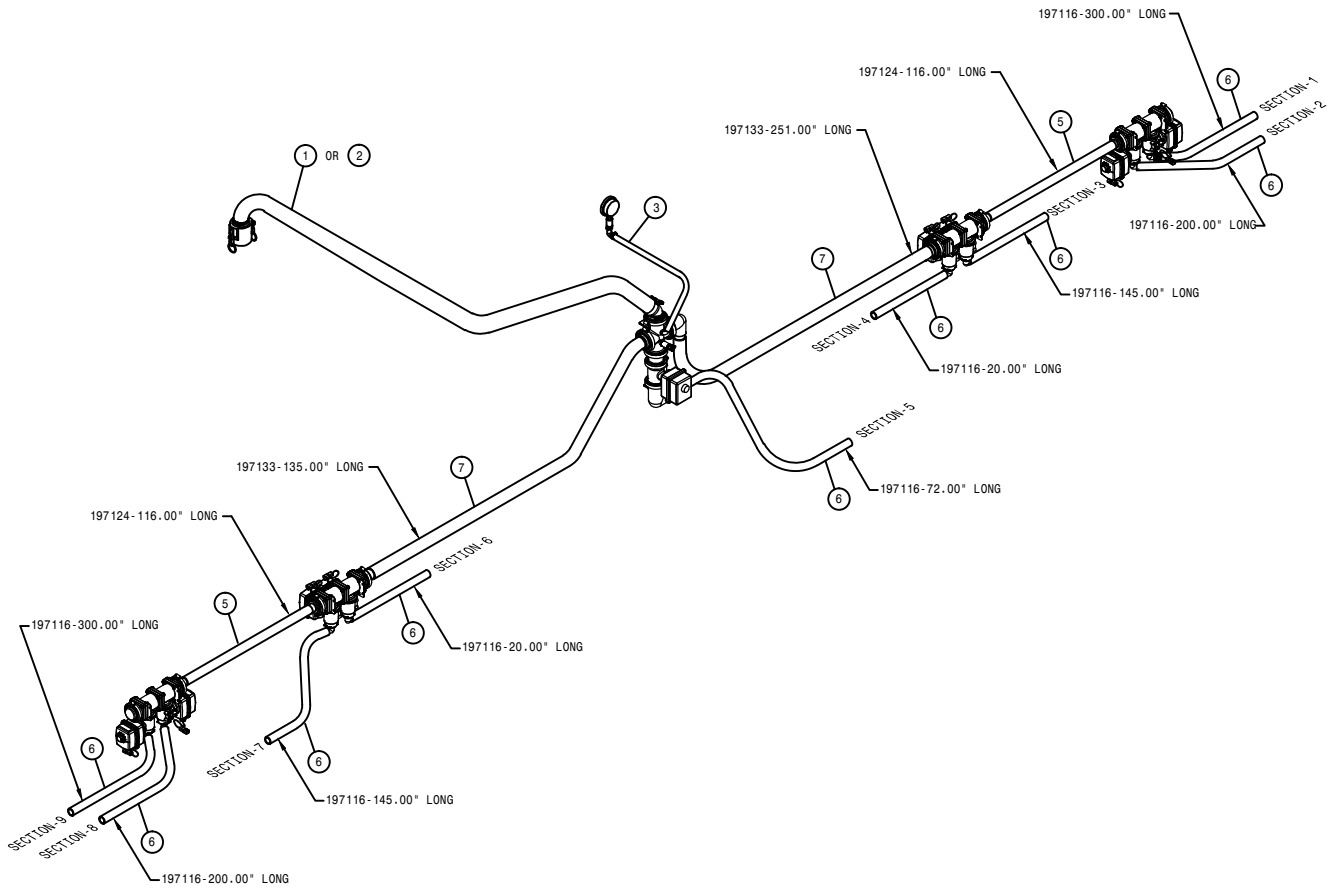
20" WET BOOM SPACING, SECTION-5 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	1	167231	20" WET BOOM TUBE, 50.66 LG
2	1	167237	20" WET BOOM TUBE, 65.66 LG
3	14	470113N	5/16UNC SERR FLG LOCK NUT SS
4	2	500295	NOZZLE BODY END CAP
5	1	500296	EASY FIT TEE 1" PIPE
6	1	500297	T5 TO 20MM HB 90
7	1	520080	HOSE CLAMP NO 10 STAINLESS
8	1	737738	FORK,D.3 DIST.42 (737731)
9	7	737921	QUICK TJET 3-TIP BODY,1" HV
10	7	737925	QUICK TJET 5 + 1-TIP BODY 1"
11	14	900064S	5/16UNC X 3/4" HEX BOLT SS



20" WET BOOM SPACING, SECTION 6-7 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	2	167226	15" WET BOOM TUBE, 5.66 LG
2	2	167230	20" WET BOOM TUBE, 68.13 LG
3	2	167232	20" WET BOOM TUBE, 77.00 LG
4	1	167259	REMOTE TUBE MNT RH 20" 120'A
5	2	470121N	1/4 UNC SERR FLG LOCK NUT SS
6	2	470231N	1/4UNC X 1" SERR FLG BOLT SS
7	10	470376	COVER PLATE FOR 470375
8	4	500295	NOZZLE BODY END CAP
9	2	500296	EASY FIT TEE 1" PIPE
10	4	500298	EASY FIT END T5, 1" PIPE
11	5	500299	T5 TO 25MM HB 90
12	1	500307	T5 FEMALE TO 25MM HB
13	6	520090	HOSECLAMP NO 16 STAINLESS
14	6	737738	FORK,D.3 DIST.42 (737731)
15	18	737921	QUICK TJET 3-TIP BODY 1" HV
16	18	737925	QUICK TJET 5 + 1-TIP BODY 1"
17	10	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
18	20	900467	1/4UNC X 3 HHCS SS
19	20	910112	SAE FLAT WASHER 1/4 SS
20	20	910118	1/4-20UNC NYLOCK NUT SS

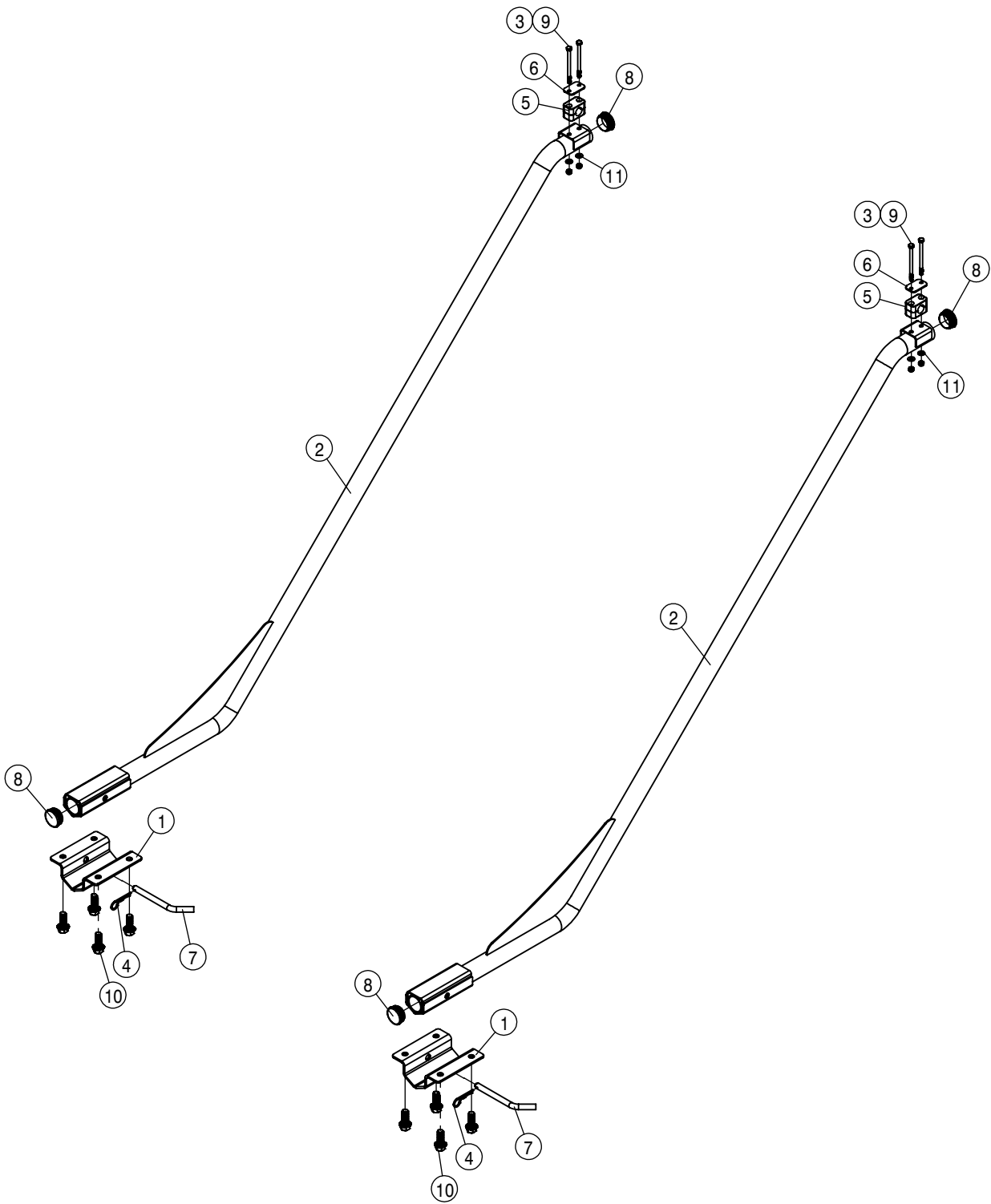


20" WET BOOM SPACING, SECTION 8-9 120' BOOM			
DET	QTY	P/N	DESCRIPTION
1	3	167230	20" WET BOOM TUBE, 68.13 LG
2	1	167233	20" WET BOOM TUBE, 23 LG
3	1	167234	20" WET BOOM TUBE, 8.13 LG
4	18	470089N	1/4UNC HEX NYLOC NUT, 316 SS
5	9	470375	TUBE CLAMP BODY, 1.31 I.D. (PAIR)
6	9	470376	COVER PLATE FOR 470375
7	1	500001	1/4MNPT HEX PIPE NIPPLE STL
8	1	500118	1/4"NPT-90-1/2"HOSE BARB, POLY
9	5	500295	NOZZLE BODY END CAP
10	2	500296	EASY FIT TEE 1" PIPE
11	1	500298	EASY FIT END T5, 1" PIPE
12	2	500299	T5 TO 25MM HB 90
13	2	500300	T5 FEMALE TEE
14	2	500301	T5 MALE TO 25MM HB
15	1	500302	T5 MALE COUPLER
16	1	500304	T5 - T4 MALE REDUCER
17	1	500305	T4 - T3 FEMALE REDUCER
18	1	500306	T3 MALE TO 1/4" NPT
19	1	500308	O-RING, 3.53MM X 28.17MM EPDM
20	1	500309	O-RING, 2.62MM X 25.07MM EPDM
21	1	500310	FORK D3 DIST 34.2
22	1	500311	FORK D3 DIST 29
23	1	520069	HOSE CLAMP NO 6 STAINLESS
24	4	520090	HOSECLAMP NO 16 STAINLESS
25	1	696235	1/4" ELECT SOLU SOLE VLV, 2203
26	8	737738	FORK,D.3 DIST.42 (737731)
27	5	737763	O-RING, 1 1/4"CONN EPDM
28	15	737921	QUICK TJET 3-TIP BODY,1" HV
29	15	737925	QUICK TJET 5 + 1-TIP BODY 1"
30	18	900010N	1/4UNC X 3" HEX BOLT SS
31	18	920000N	1/4 SAE FLAT WASHER SS

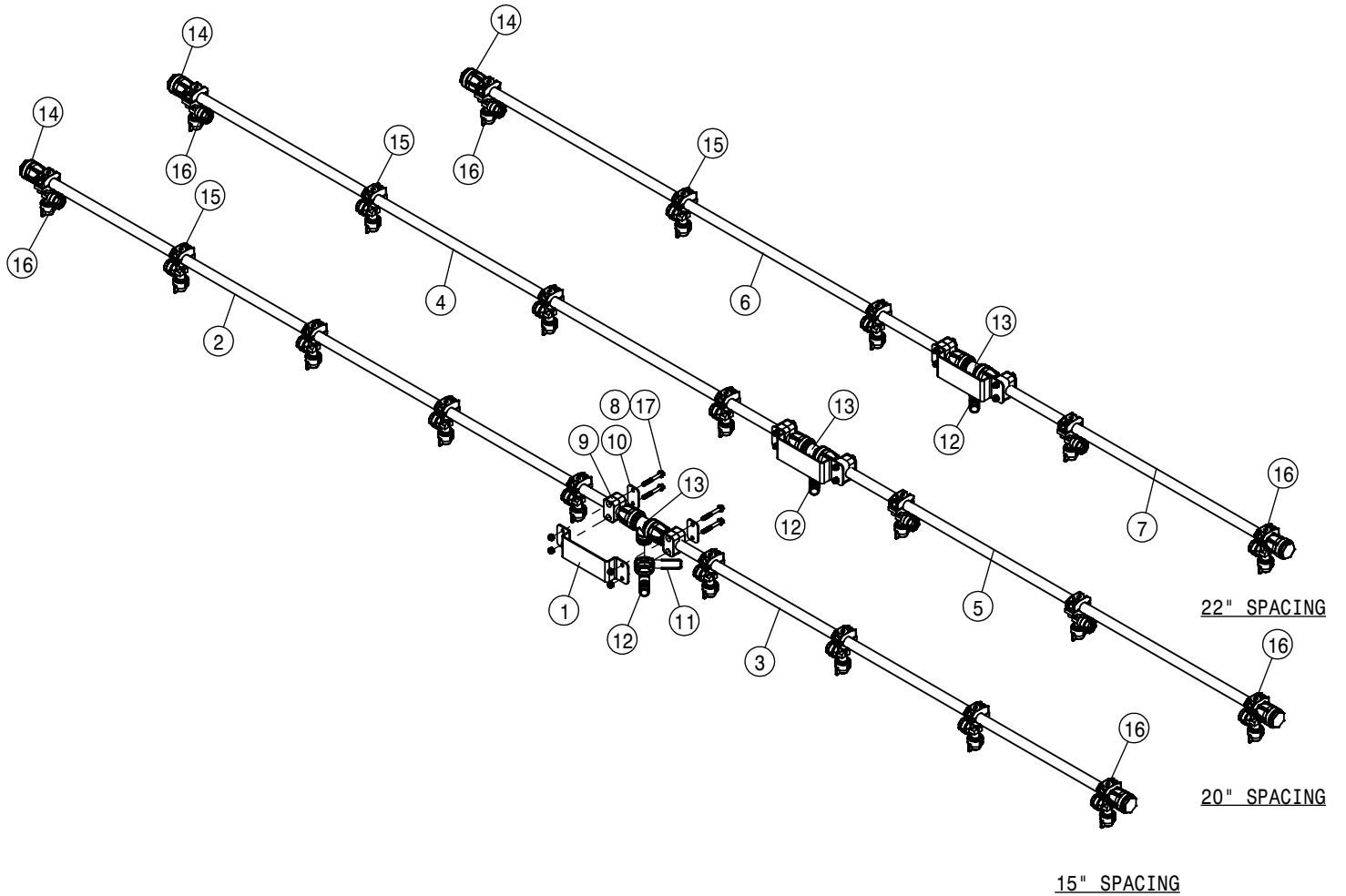


SOLUTION HOSEING 120' ALUM BOOM

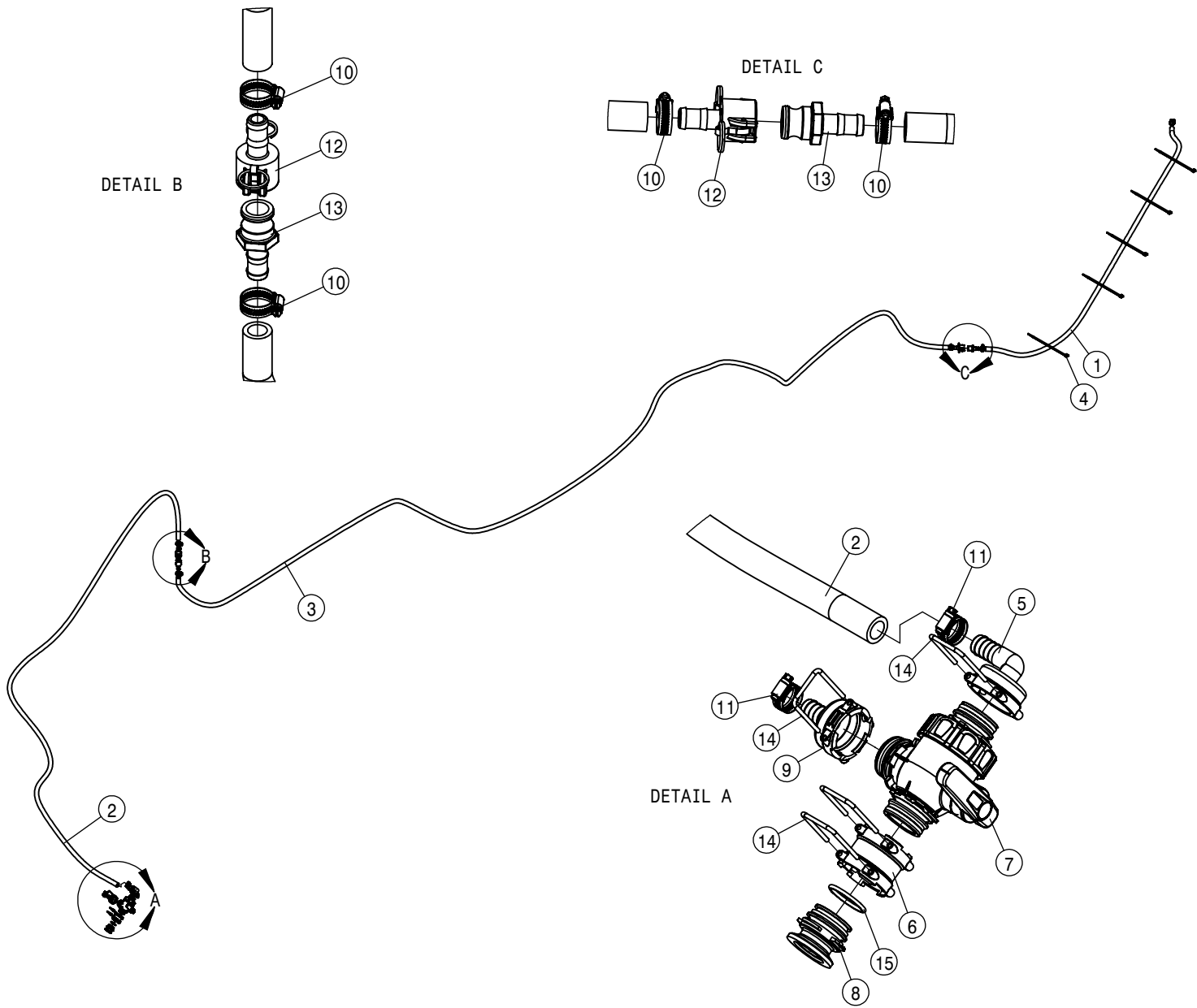
DET.	QTY	PART NO.	DESCRIPTION
1	1	601082	HOSE, 2 X 95 2F-1W EPDM
2	1	601909	HOSE, 2 x 105 2F-1W EPDM
3	1	601634	HOSE, 1/2 X 78 1BR BLK EPDM
4	2	197133	HOSE 2" SUCTION, 2F-1W EPDM
5	2	197124	HOSE 1 1/2 2-FBR BR BLK EPDM
6	11	197116	HOSE 1IN 1-FBR BR BLK EPDM



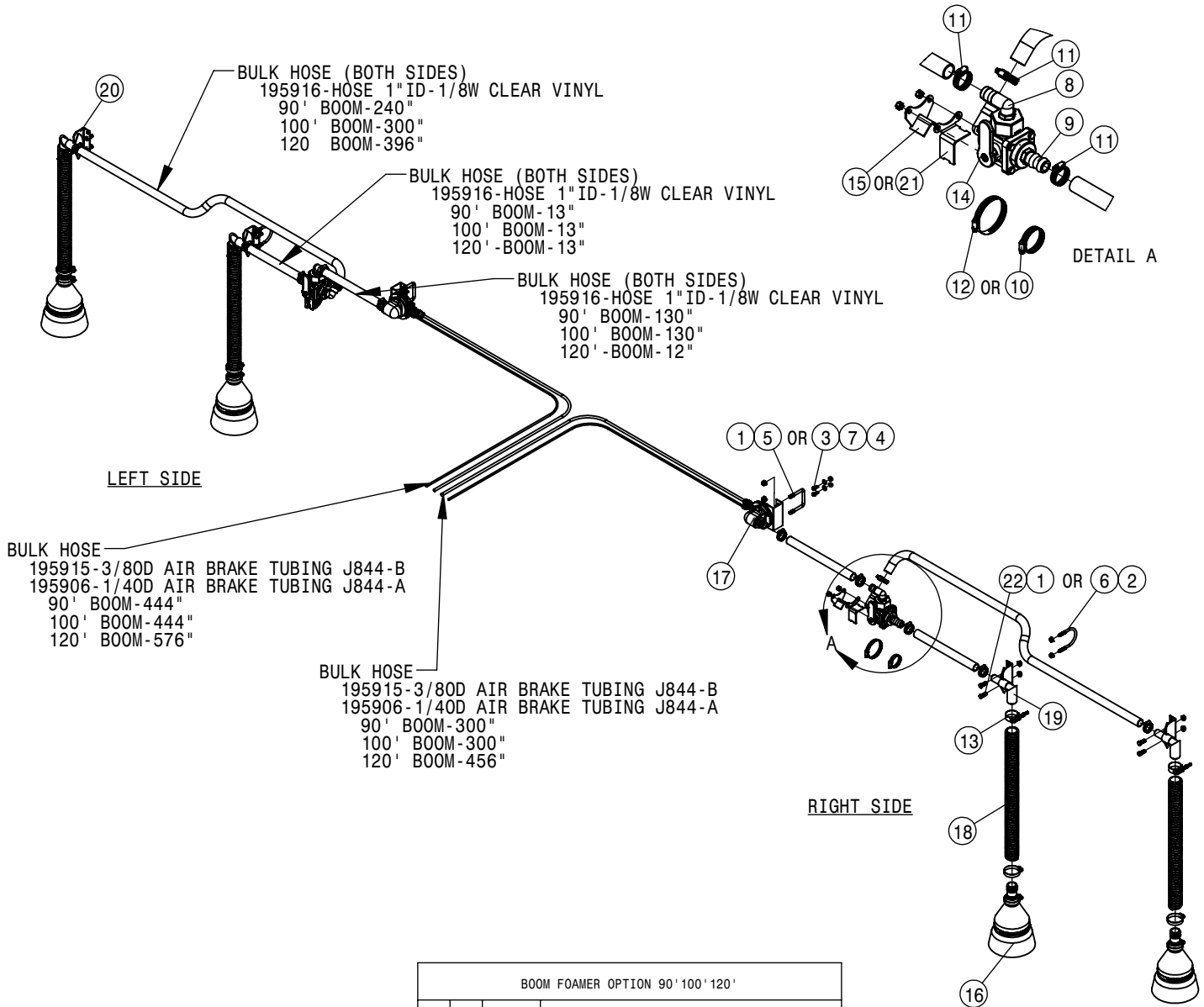
REAR BOOM MOUNTING ASSEMBLY			
DET	QTY	P/N	DESCRIPTION
1	2	165083	REAR BOOM MNT BRACKET
2	2	165087	REAR BOOM WLD
3	4	470089N	1/4UNC HEX NYLOC NUT, 316 SS
4	2	470235	1/8 #11 HAIR PIN
5	2	470358	TUBE CLAMP BODY, .840 (1/2 PIPE)
6	2	470359	COVER PLATE FOR 470358
7	2	472382	BENT PIN 1/2 X 4
8	4	629772	CAPPLUGS PLUG, 1 3/4" RD, BLACK POLY
9	4	900013N	1/4UNC X 3 3/4 HEX BOLT SS
10	8	900265N	1/2UNC X 1 1/2 SERR FLANGE BOLT
11	4	920000N	1/4 SAE FLAT WASHER SS



REAR BOOM NOZZLE SPACING			
DET	QTY	P/N	DESCRIPTION
1	3	165088	REAR BOOM SOL SUPPORT BRK
2	1	167264	TUBE-WET BM .50X69.08 15"SP
3	1	167265	TUBE-WET BM .50X54.08 15" SP
4	1	167466	TUBE-WET BM .5X71.58 20"SP
5	1	167467	TUBE-WET BM .5X51.58 20"SP
6	1	167468	TUBE-WET BM .5X56.58 22" SP
7	1	167469	TUBE-WET BM .5X34.58 22"SP
8	12	470089N	1/4UNC HEX NYLOC NUT, 316 SS
9	6	470358	TUBE CLAMP BODY, .840 (1/2 PIPE)
10	6	470359	COVER PLATE FOR 470358
11	3	500311	FORK D3 DIST 29
12	3	500327	T3 TO 20MM HB 90
13	3	500330	T3 - TEE 1/2" PIPE BOOM END
14	6	500332	1/2" PIPE BOOM END
15	15	737970	QUICK TJET SINGLE BODY, 1/2"
16	6	737971	QUICK TJET SINGLE BODY 1/2" RS
17	12	900007N	1/4 UNC X 2 SER FLG BOLT SS



REAR BOOM SOLUTION HOISING			
DET	QTY	P/N	DESCRIPTION
1	1	197121-093	HOSE 3/4 2-FBR BR BLK EPDM
2	1	197121-170	HOSE 3/4 2-FBR BR BLK EPDM
3	1	197121-306	HOSE 3/4 2-FBR BR BLK EPDM
4	5	470555	CABLE TIE, 1/2 X 15" BLACK NYL
5	1	500297	T5 TO 20MM HB 90
6	1	503112	T5 - FEMALE COUPLING
7	1	503113	T5 - 455 3-WAY BALL VLV
8	1	503114	T5 - 1" BANGO FLANGE ADAPTR
9	1	503115	T5 FEM - 20MM HOSE BARB
10	5	520055	HOSE CLAMP NO 12 STAINLESS
11	2	520080	HOSE CLAMP NO 10 STAINLESS
12	2	696207	.75 HOSE BARB-FEMALE COUPLER
13	2	696208	.75 HOSE BARB-MALE COUPLER
14	4	737738	FORK,D.3 DIST.42 (737731)
15	1	737763	O-RING, 1 1/4"CONN EPDM

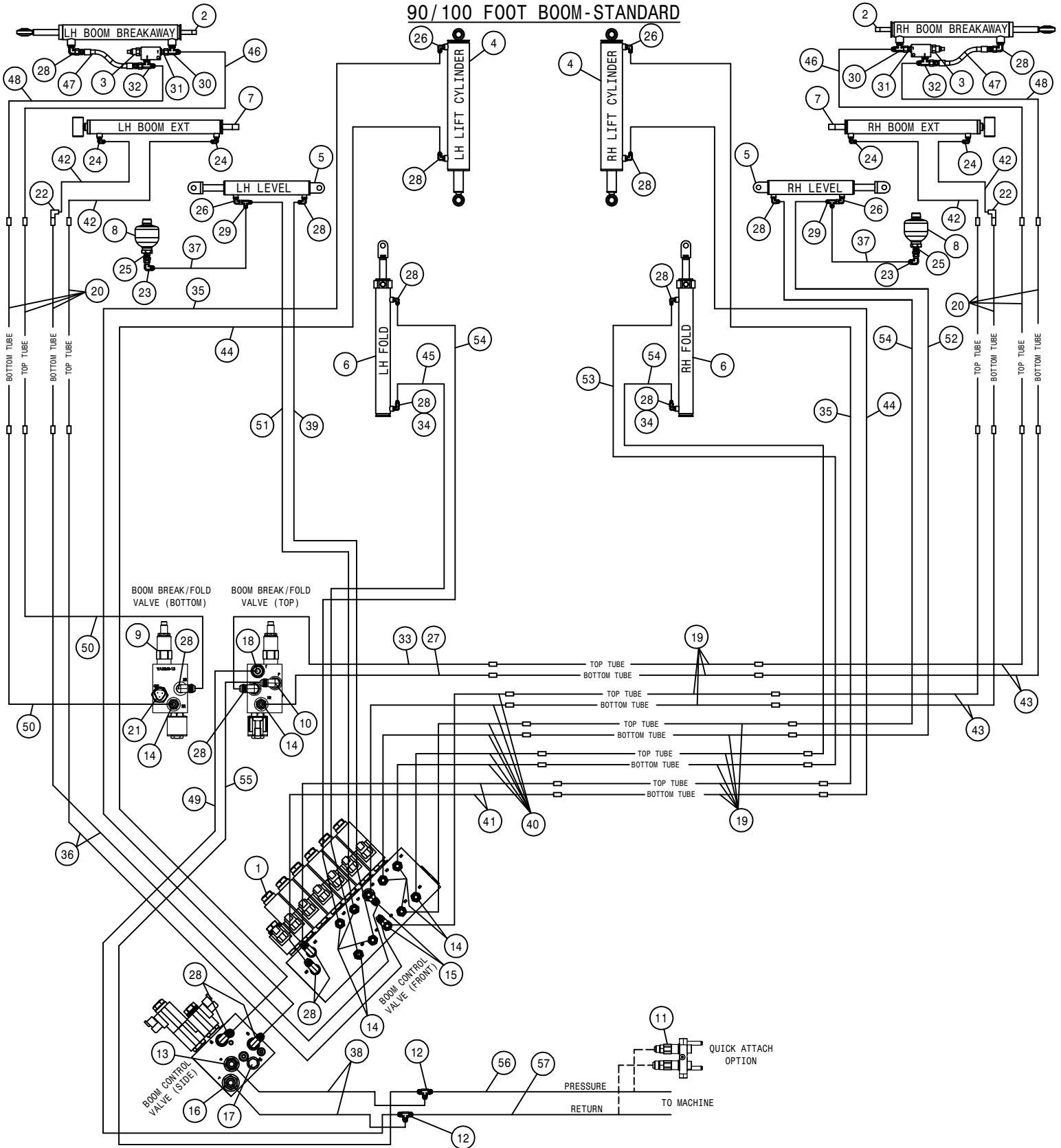


BOOM FOAMER OPTION 90' 100' 120'			
DET	QTY	P/N	DESCRIPTION
1	12	470087	3/8UNC HEX SERR FLANGE NUT
2	4	470113	5/16UNC SERR FLG LOCK NUT
3	4	470118	1/4 UNC X 3/4 SER FLG BOLT
4	4	470121	1/4 UNC SERR FLG LOCK NUT
5	2	472036	3/8UNC-2.63ID-2.88 U-BOLT SQ
6	2	472195	5/16UNC-2 11/16ID-3 9/16U-BOLT
7	4	483038	1/4 REGULAR FLAT WASHER
8	4	500026	3/4NPT-90-1"HOSE BARB, POLY
9	2	500123	3/4NPT-1"HOSE BARB, POLY
10	2	520085	HOSE CLAMP NO 24 STAINLESS
11	12	520090	HOSECLAMP NO 16 STAINLESS
12	2	520099	HOSE CLAMP NO 40 STAINLESS
13	4	520133	1.81/2.06 T-BOLT HOSE CLAMP SS
14	2	696003	BALL VLV,3/4NPT 3WAY-SIDE POLY
15	2	701191	1" SOLU VLV MT WLD
16	4	701290	1 1/2" COLLECTOR DEFLECTOR
17	2	701296	RICHWAY FOAMHEAD ASSEMBLY
18	4	701334	2' DROP HOSE 1 1/2"
19	2	701335	RH FOAMER DROP HOSE SWIV WLD
20	2	701336	LH FOAMER DROP HOSE SWIV WLD
21	2	701343	BALL VLV BRKT 120' BOOM
22	8	900129	3/8UNC X 1" HEX BOLT



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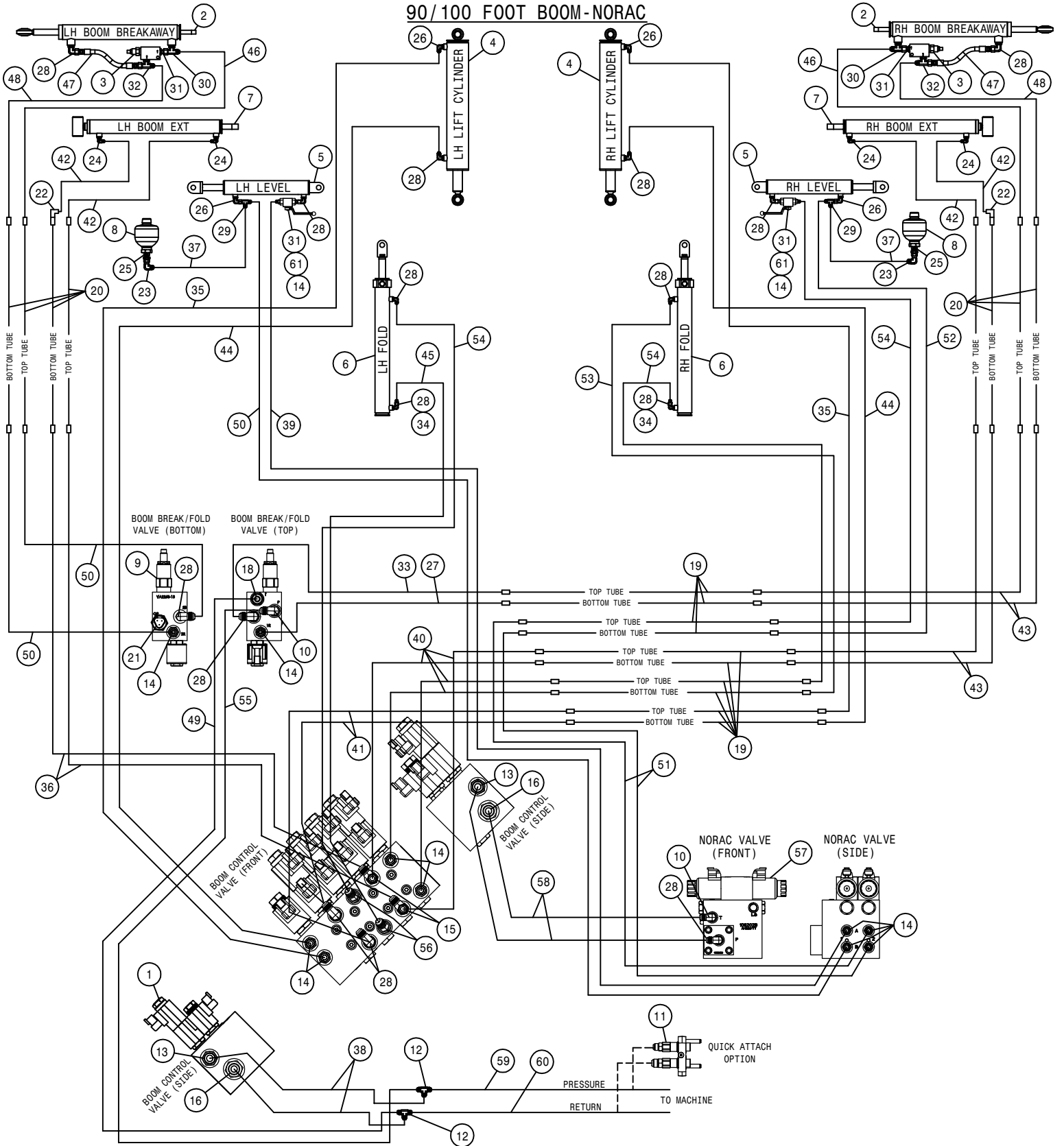
### 90 / 100 FOOT BOOM-STANDARD



90/100 BOOM STANDARD HYD DIAG 2014  
REFERENCE DRAWING NO. 499331

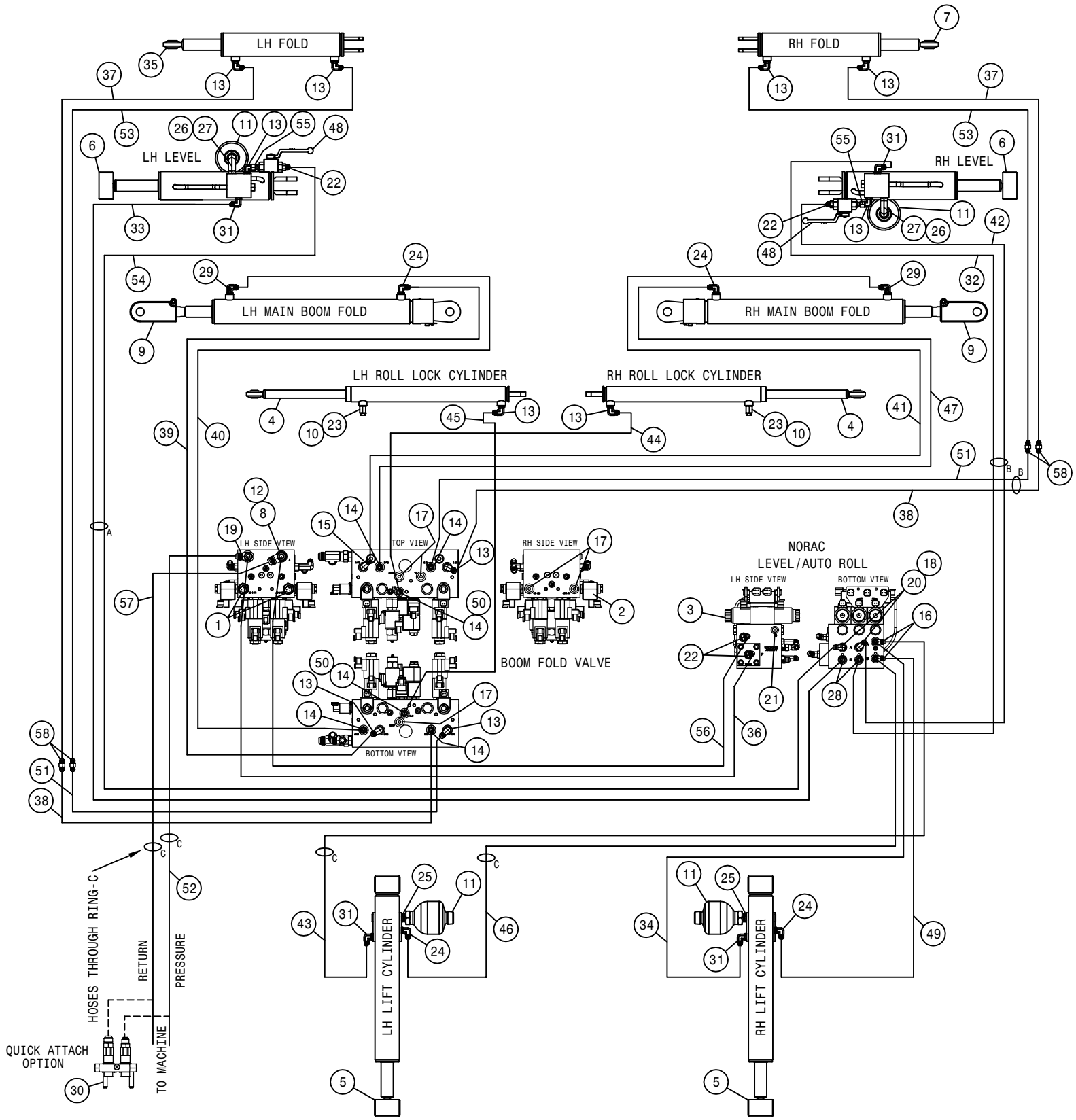
DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	1	606272	VALVE, LOAD SENSE BOOM SAUER	29	2	618486	9/16FJIC SW RUN TEE-9/16MJIC
2	2	621590	HYD CYL, 1.50 X 10.88 X .875	30	2	618629	9/16MOR BRANCH TEE-9/16MJIC
2	2	621590	HYD CYL, 1.50 X 10.88 X .875	31	2	618668	9/16FJIC SWIV-9/16MOR ADPTR
3	2	607540	KICK-DOWN RELIEF VALVE, 800PSI	32	2	614752	RESTRICTOR BR TEE ASSY, .042DIA
4	2	621556	HYD CYL, 2.50 X 18.00 X 1.500	33	1	616578	06-451TC-06FJX-06FJX90-18 H/A
5	2	621558	HYD CYL, 3.00 X 11.00 X 1.380	34	2	618733	9/16JIC .042 ORIFICE ADPTR
6	2	621560	HYD CYL, 2.50 X 21.00 X 1.380	35	2	616358	06-451TC-06FJX-06FJX-56 H/A
7	2	621562	HYD CYL, 2.25 X 21.00 X 1.380	36	2	616357	06-451TC-06FJX-06FJX90-79 H/A
8	2	470444	ACCUMULATOR, 30CI 1508 PSI	37	2	616365	06-451TC-08FJX-06FJX90-30 H/A
9	1	607119	90/100 BREAKAWAY BLOCK STS'14	38	2	616366	08-451TC-08FJX-08FJX90-18 H/A
10	1	618440	9/16MJIC-90-9/16MOR EX LG LBO	39	1	616403	06-451TC-06FJX-06FJX-65 H/A
11	1	607114	MOBILE HALF COUPLER ASSY, 0502	40	6	616316	06-451TC-06FJX-06FJX45-18 H/A
12	2	618749	3/4MJIC BLKHD RUN TEE	41	2	616304	06-451TC-06FJX-06FJX-36 H/A
13	1	611125	3/4MJIC-3/4MOR ADPTR	42	4	616356	06-451TC-06FJX-06FJX90-27 H/A
14	10	618126	9/16MJIC-9/16MOR ADPTR	43	4	616353	06-451TC-06FJX-06FJX-71 H/A
15	2	618444	9/16MOR RUN TEE-9/16MJIC	44	2	616371	06-451TC-06FJX-06FJX-38 H/A
16	1	618327	3/4MJIC-7/8MOR ADPTR	45	1	616352	06-451TC-06FJX-06FJX-62 H/A
17	1	618754	9/16MOR PLUG, HEX SOCKET	46	2	616360	06-451TC-06FJX-06FJX-84 H/A
18	1	618360	3/4MJIC-9/16MOR ADPTR	47	2	617054	04-451TC-06FJX-06FJX-11 H/A
19	10	615852	LIFTARM HYD TUBE ASSY, STSLS 07	48	2	616361	06-451TC-06FJX-06FJX-86 H/A
20	8	615851	HYD TUBE, MAIN BOOM, STS	49	1	617193	06-451TC-08FJX-08FJX90-33 H/A
21	1	606347	PRESSURE TRANSDUCER, 7500PSI	50	2	616359	06-451TC-06FJX-06FJX-78 H/A
22	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	51	1	616349	06-451TC-06FJX-06FJX-47 H/A
23	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO	52	1	616348	06-451TC-06FJX-06FJX-42 H/A
24	4	618688	9/16MJ-90-9/16MOR .025 CHK VLV	53	1	616350	06-451TC-06FJX-06FJX-58 H/A
25	2	618743	3/4MOR-3/4MJIC BLKHD, .040MFMO	54	3	616351	06-451TC-06FJX-06FJX-60 H/A
26	4	618689	9/16MJ-90-9/16MOR .042 CHK VLV	55	1	617192	06-451TC-06FJX-08FJX-33 H/A
27	1	616740	06-451TC-06FJX-06FJX-20 H/A	56	1	617194	08-451TC-08FJX-10FJX-50 H/A
28	16	618119	9/16MJIC-90-9/16MOR LBO	57	1	617195	08-451TC-08FJX-12FJX-50 H/A

# 90/100 FOOT BOOM-NORAC



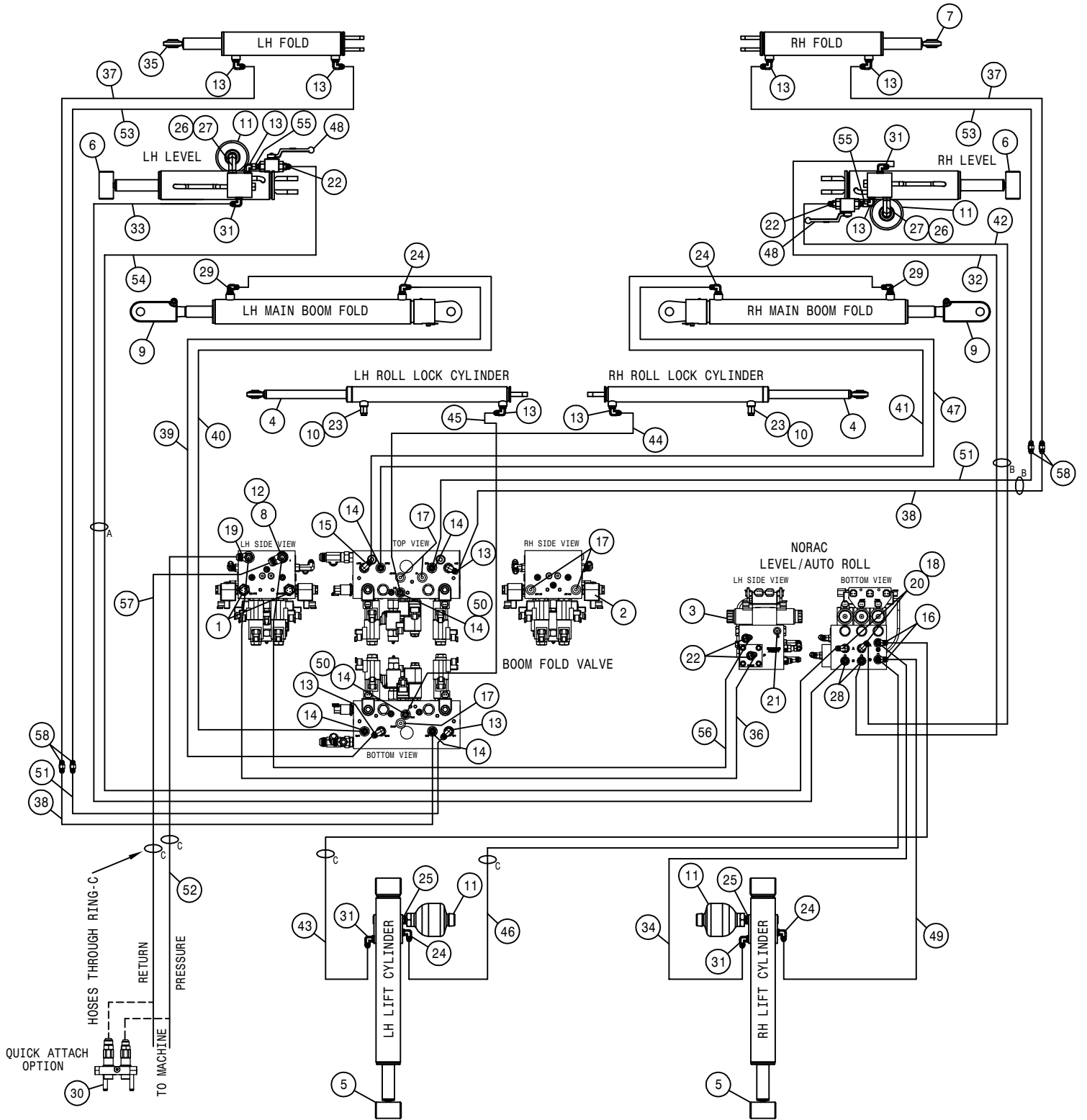
90/100 BOOM NORAC HYD DIAG 2014  
REFERENCE DRAWING NO. 499332

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	1	606529	NORAC BOOM FOLD VALVE	31	4	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
2	2	621590	HYD CYL, 1.50 X 10.88 X .875	33	1	616578	06-451TC-06FJX-06FJX90-18 H/A
3	2	607540	KICK-DOWN RELIEF VALVE, 800PSI	34	2	618733	9/16JIC .042 ORIFICE ADPTR
4	2	621556	HYD CYL, 2.50 X 18.00 X 1.500	35	2	616358	06-451TC-06FJX-06FJX-56 H/A
5	2	621558	HYD CYL, 3.00 X 11.00 X 1.380	36	2	616357	06-451TC-06FJX-06FJX90-79 H/A
6	2	621560	HYD CYL, 2.50 X 21.00 X 1.380	37	2	616365	06-451TC-08FJX-06FJX90-30 H/A
7	2	621562	HYD CYL, 2.25 X 21.00 X 1.380	38	2	616366	08-451TC-08FJX-08FJX90-18 H/A
8	2	470444	ACCUMULATOR, 30CI 1508 PSI	39	1	616611	06-451TC-06FJX-06FJX-91 H/A
9	1	607119	90/100 BREAKAWAY BLOCK STS'14	40	4	616316	06-451TC-06FJX-06FJX45-18 H/A
10	2	618440	9/16MJIC-90-9/16MOR EX LG LBO	41	2	616304	06-451TC-06FJX-06FJX-36 H/A
11	1	607114	MOBILE HALF COUPLER ASSY, 0502	42	4	616356	06-451TC-06FJX-06FJX90-27 H/A
12	2	618749	3/4MJIC BLKHD RUN TEE	43	4	616353	06-451TC-06FJX-06FJX-71 H/A
13	2	611125	3/4MJIC-3/4MOR ADPTR	44	2	616371	06-451TC-06FJX-06FJX-38 H/A
14	12	618126	9/16MJIC-9/16MOR ADPTR	45	1	616352	06-451TC-06FJX-06FJX-62 H/A
15	2	618444	9/16MOR RUN TEE-9/16MJIC	46	2	616360	06-451TC-06FJX-06FJX-84 H/A
16	2	618327	3/4MJIC-7/8MOR ADPTR	47	2	617054	04-451TC-06FJX-06FJX-11 H/A
17	1	618754	9/16MOR PLUG, HEX SOCKET	48	2	616361	06-451TC-06FJX-06FJX-86 H/A
18	1	618360	3/4MJIC-9/16MOR ADPTR	49	1	617193	06-451TC-08FJX-08FJX90-33 H/A
19	10	615852	LIFTARM HYD TUBE ASSY, STSLS 07	50	3	616359	06-451TC-06FJX-06FJX-78 H/A
20	8	615851	HYD TUBE, MAIN BOOM, STS	51	2	617191	06-451TC-06FJX-06FJX45-39 H/A
21	1	606347	PRESSURE TRANSDUCER, 7500PSI	52	1	616348	06-451TC-06FJX-06FJX-42 H/A
22	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	53	1	616350	06-451TC-06FJX-06FJX-58 H/A
23	2	618609	3/4MJIC-90-3/4FJIC SWIV LBO	54	3	616351	06-451TC-06FJX-06FJX-60 H/A
24	4	618688	9/16MJ-90-9/16MOR .025 CHK VLV	55	1	617192	06-451TC-06FJX-08FJX-33 H/A
25	2	618743	3/4MOR-3/4MJIC BLKHD, .040MFMO	56	2	618425	9/16MJIC-45-9/16MOR LBO
26	4	618689	9/16MJ-90-9/16MOR .042 CHK VLV	57	1	606455	NORAC HYD VALVE (44963D)
27	1	616740	06-451TC-06FJX-06FJX-20 H/A	58	2	616556	08-451TC-06FJX-08FJX90-31 H/A
28	15	618119	9/16MJIC-90-9/16MOR LBO	59	1	617194	08-451TC-08FJX-10FJX-50 H/A
29	2	618486	9/16FJIC SW RUN TEE-9/16MJIC	60	1	617195	08-451TC-08FJX-12FJX-50 H/A
30	2	618629	9/16MOR BRANCH TEE-9/16MJIC	61	2	696131	BALL VALVE, 9/16FOR, 7250PSI



120' ALUM BOOM HYDRAULIC DIAGRAM STS 2014  
REFERENCE DRAWING NO. 499180

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	2	606347	PRESSURE TRANSDUCER,7500PSI	29	2	618689	9/16MJ-90-9/16MOR .042 CHK VLV
2	1	606527	FOLD MANIFOLD, 120'A STS'14	30	1	607114	MOBILE HALF COUPLER ASSY, 0502
3	1	606456	NORAC HYD VALVE (44960D)	31	4	618249	3/4MJIC-90-9/16MOR LBO
4	2	621626	HYD CYL,1.50-16.00-1.00	32	1	617167	06-451TC-08FJX-06FJX90-106 H/A
5	2	621640	HYD CYL,3.25 X 16.00 X 1.63	33	1	617168	06-451TC-08FJX-06FJX90-141 H/A
5	2	621640	HYD CYL,3.25 X 16.00 X 1.63	34	1	617166	06-451TC-08FJX-06FJX90-171 H/A
6	2	621642	HYD CYL,3.00 X 9.00 X 1.38	35	1	167090	LH HYD CYL, OUTER FOLD 120'A'12
6	2	621642	HYD CYL,3.00 X 9.00 X 1.38	36	1	617008	06-451TC-06FJX-08FJX-32 H/A
7	1	167091	RH HYD CYL, OUTER FOLD 120'A'12	37	2	616517	04-451TC-06FJX-06FJX-272 H/A
8	1	618574	7/8MJIC-3/4MOR ADPTR	38	2	616119	04-451TC-06FJX-06FJX-175 H/A
9	1	621656	HYD CYL, 3.50 X 19.75 X 1.750	39	1	616349	06-451TC-06FJX-06FJX-47 H/A
9	1	621656	HYD CYL, 3.50 X 19.75 X 1.750	40	1	616585	06-451TC-06FJX-06FJX90-62 H/A
10	2	470114	BREATHER FILTER VENT, 1/4 NPT	41	1	616351	06-451TC-06FJX-06FJX-60 H/A
11	4	470444	ACCUMULATOR, 30CI 1508 PSI	42	1	616646	06-451TC-06FJX-06FJX45-106 H/A
12	1	618333	7/8FJIC SW RUN TEE-7/8MJIC	43	1	617165	06-451TC-06FJX-08FJX-133 H/A
13	11	618119	9/16MJIC-90-9/16MOR LBO	44	1	616580	06-451TC-06FJX-06FJX90-34 H/A
14	6	618126	9/16MJIC-9/16MOR ADPTR	45	1	617006	06-451TC-06FJX-06FJX90-25 H/A
15	1	618440	9/16MJIC-90-9/16MOR EX LG LBO	46	1	616875	06-451TC-06FJX-06FJX90-171 H/A
16	2	618444	9/16MOR RUN TEE-9/16MJIC	47	1	616593	06-451TC-06FJX-06FJX90-38 H/A
17	5	618754	9/16MOR PLUG, HEX SOCKET	48	2	696131	BALL VALVE, 9/16FOR, 7250PSI
18	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	49	1	616974	06-451TC-06FJX-06FJX-133 H/A
19	1	618494	3/4MOR RUN TEE-3/4MJIC	50	2	618735	9/16JIC .062 ORIFICE ADPTR
20	2	618884	9/16MJIC-9/16MOR.042MFMO ADPTR	51	2	616866	04-451TC-06FJX-06FJX90-178 H/A
21	1	618753	7/16MOR PLUG, HEX SOCKET	52	1	617161	08-451TC-08FJX-10FJX-152 H/A
22	4	618425	9/16MJIC-45-9/16MOR LBO	53	2	616665	04-451TC-06FJX-06FJX-249 H/A
23	2	618123	9/16MOR-1/4FNPT ADPTR	54	1	616563	06-451TC-06FJX-06FJX-141 H/A
24	4	618739	9/16MJ-90-9/16MOR .065 CHK VLV	55	2	618668	9/16FJIC SWIV-9/16MOR ADPTR
25	2	618820	3/4MOR UNION	56	1	617163	08-451TC-06FJX-10FJX45-29 H/A
26	2	618669	3/4FJIC SWIV-3/4MOR ADPTR	57	1	617162	10-451TC-10FJX-12FJX-152 H/A
27	2	618443	3/4MJIC-90-3/4MOR EX LG LBO	58	4	619010	9/16MJIC UNION
28	2	618885	9/16MJIC-9/16MOR.055MOMF ADPTR				





132' ALUM BOOM HYDRAULIC DIAGRAM STS 2014  
REFERENCE DRAWING NO. 499184

DET.	QTY	PART NO.	DESCRIPTION	DET.	QTY	PART NO.	DESCRIPTION
1	2	606347	PRESSURE TRANSDUCER,7500PSI	30	1	607114	MOBILE HALF COUPLER ASSY, 0502
2	1	606527	FOLD MANIFOLD, 120'A STS'14	31	4	618249	3/4MJIC-90-9/16MOR LBO
3	1	606456	NORAC HYD VALVE (44960D)	32	1	617167	06-451TC-08FJX-06FJX90-106 H/A
4	2	621626	HYD CYL,1.50-16.00-1.00	33	1	617168	06-451TC-08FJX-06FJX90-141 H/A
5	2	621640	HYD CYL,3.25 X 16.00 X 1.63	34	1	617166	06-451TC-08FJX-06FJX90-171 H/A
6	2	621642	HYD CYL,3.00 X 9.00 X 1.38	35	1	167090	LH HYD CYL, OUTER FOLD 120'A'12
7	1	167091	RH HYD CYL, OUTER FOLD 120'A'12	36	1	617008	06-451TC-06FJX-08FJX-32 H/A
8	1	618574	7/8MJIC-3/4MOR ADPTR	37	2	617045	04-451TC-06FJX-06FJX-315 H/A
9	1	621656	HYD CYL, 3.50 X 19.75 X 1.750	38	2	616119	04-451TC-06FJX-06FJX-175 H/A
10	2	470114	BREATHER FILTER VENT, 1/4 NPT	39	1	616349	06-451TC-06FJX-06FJX-47 H/A
11	4	470444	ACCUMULATOR, 30CI 1508 PSI	40	1	616585	06-451TC-06FJX-06FJX90-62 H/A
12	1	618333	7/8FJIC SW RUN TEE-7/8MJIC	41	1	616351	06-451TC-06FJX-06FJX-60 H/A
13	11	618119	9/16MJIC-90-9/16MOR LBO	42	1	616646	06-451TC-06FJX-06FJX45-106 H/A
14	6	618126	9/16MJIC-9/16MOR ADPTR	43	1	617165	06-451TC-06FJX-08FJX-133 H/A
15	1	618440	9/16MJIC-90-9/16MOR EX LG LBO	44	1	616580	06-451TC-06FJX-06FJX90-34 H/A
16	2	618444	9/16MOR RUN TEE-9/16MJIC	45	1	617006	06-451TC-06FJX-06FJX90-25 H/A
17	5	618754	9/16MOR PLUG, HEX SOCKET	46	1	616875	06-451TC-06FJX-06FJX90-171 H/A
18	2	618618	9/16MJIC-90-9/16FJIC SWIV LBO	47	1	616593	06-451TC-06FJX-06FJX90-38 H/A
19	1	618494	3/4MOR RUN TEE-3/4MJIC	48	2	696131	BALL VALVE, 9/16FOR, 7250PSI
20	2	618884	9/16MJIC-9/16MOR.042MFMO ADPTR	49	1	616974	06-451TC-06FJX-06FJX-133 H/A
21	1	618753	7/16MOR PLUG, HEX SOCKET	50	2	618735	9/16JIC .062 ORIFICE ADPTR
22	4	618425	9/16MJIC-45-9/16MOR LBO	51	2	616866	04-451TC-06FJX-06FJX90-178 H/A
23	2	618123	9/16MOR-1/4FNPT ADPTR	52	1	617161	08-451TC-08FJX-10FJX-152 H/A
24	4	618739	9/16MJ-90-9/16MOR .065 CHK VLV	53	2	617044	04-451TC-06FJX-06FJX-295 H/A
25	2	618820	3/4MOR UNION	54	1	616563	06-451TC-06FJX-06FJX-141 H/A
26	2	618669	3/4FJIC SWIV-3/4MOR ADPTR	55	2	618668	9/16FJIC SWIV-9/16MOR ADPTR
27	2	618443	3/4MJIC-90-3/4MOR EX LG LBO	56	1	617163	08-451TC-06FJX-10FJX45-29 H/A
28	2	618885	9/16MJIC-9/16MOR.055MOMF ADPTR	57	1	617162	10-451TC-10FJX-12FJX-152 H/A
29	2	618689	9/16MJ-90-9/16MOR .042 CHK VLV	58	4	619010	9/16MJIC UNION

# Notes: