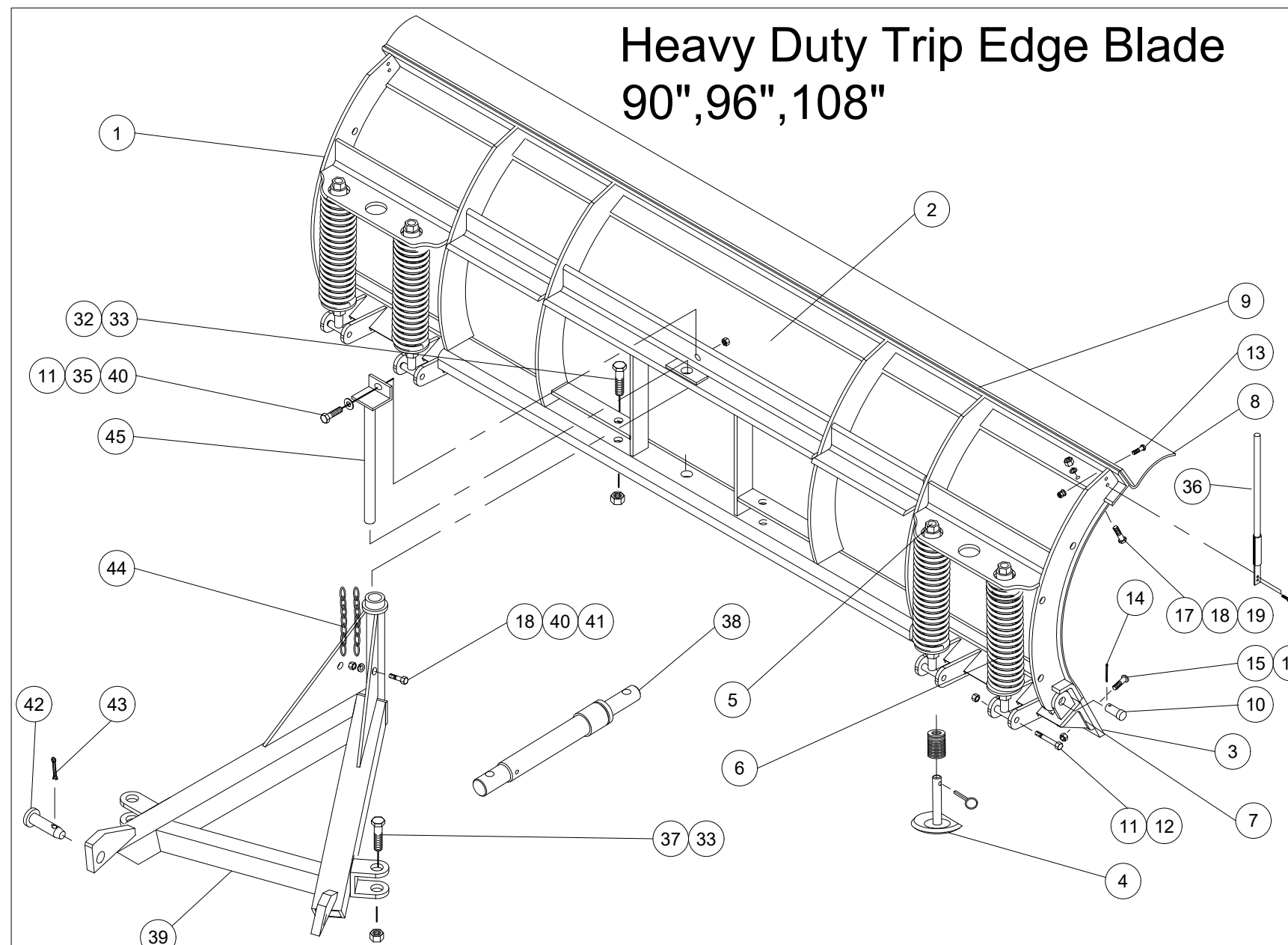
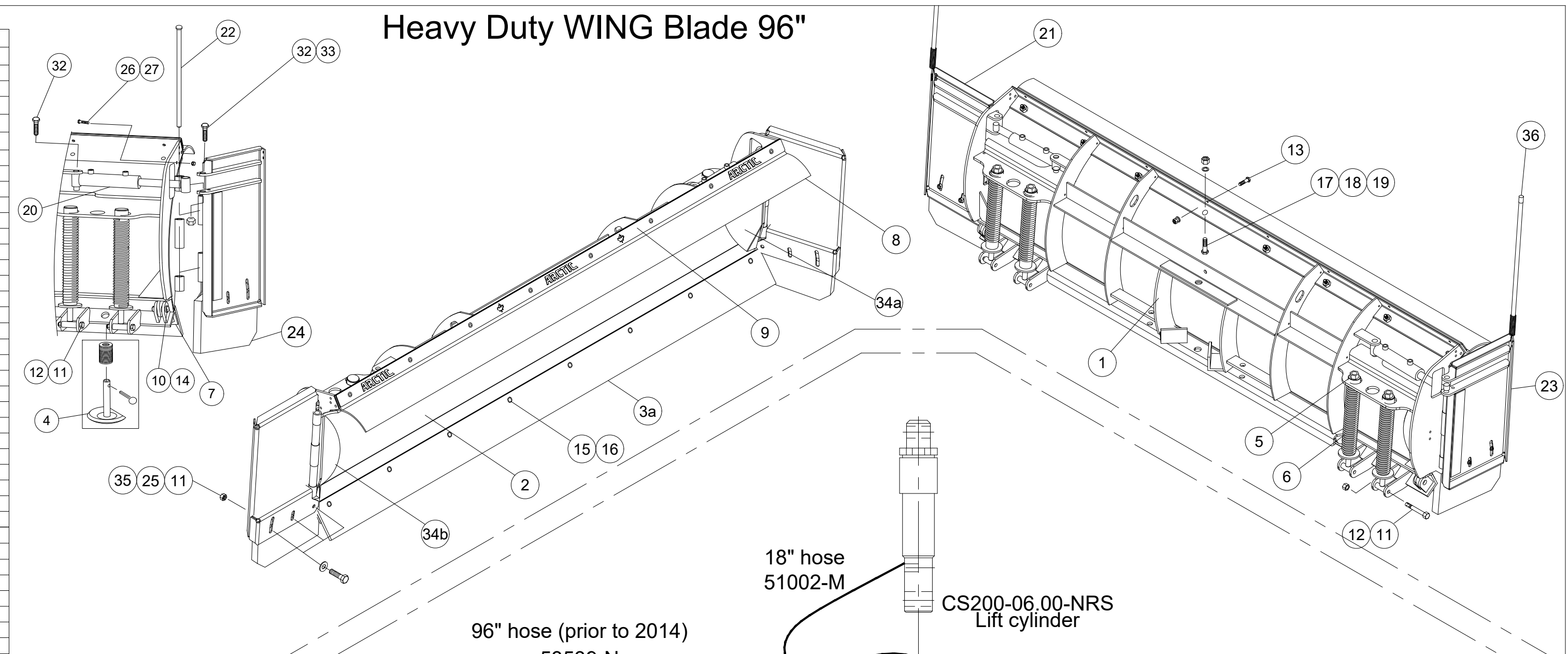


Heavy Duty Trip Edge Blade 90",96",108"

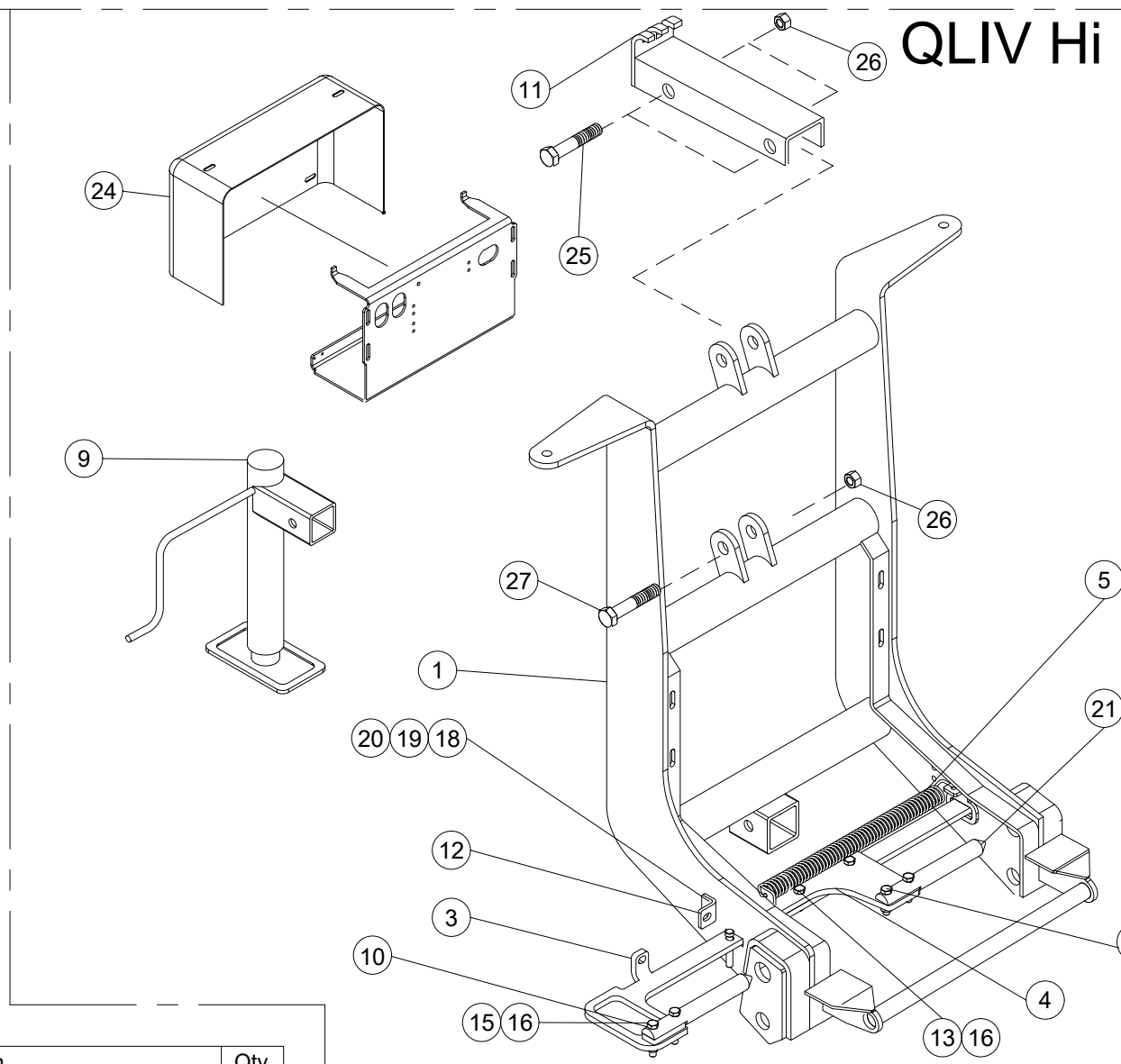


Trip Edge & WING Blade Assembly B.O.M				Sr # Part # Description Qty			
1	52482-M-GA	90" Trip Edge Straight Blade assembly	1	11	52442-A	3/4" x 2 1/8" rivet	10
1	52483-M-GA	96" Trip Edge Straight Blade assembly	1	12	HH-00972-100	1/2" - 20 x 4 hex head cap screw	4
1	52485-M-GA	108" Trip Edge Straight Blade assembly	1	13	52288-M	Deflector bolt bag kit (90",96" & WING)	1
1	53491-M	96" Trip Edge WING Blade assembly (c/w WING kit assembly)	1	14	HH-00020-107	5/32" x 1/4" cotter pin	1
1	52228-02-D	90" Orange Blade skin	1	15	52593-8-M	Bolt assy for 90",96" Trip edge WING blade	1
1	52228-03-D	96" Orange Blade skin	1	16	52593-10-M	Bolt assy for 108" Trip edge blade	1
2	52228-03-D-PLAT	96" Gray Blade skin	1	17	HH-00971-136	1/2" - 13 x 1 1/2" carriage bolt	8
2	52277-D	108" Orange Blade skin	1	18	HH-00457-001	1/2" lock-washers	10
2	52277-D-PLAT	108" Gray Blade skin	1	19	HH-00294-005	1/2" - 13 hex nut	8
3	53496-D	Orange Poly skin for WING blade	1	20	53488-N	WING Cylinder	2
3	52233-M	90" Cutting Edge, Top punch	1	21	53484-01-M	Driver Side WING only	1
3	50035-N	90" Cutting Edge, Center punch	1	22	53503-B	WING Blade pin	2
3	52234-M	96" Cutting Edge, Top punch	1	23	53484-02-M	Curb Side WING only	1
3	50036-N	96" Cutting Edge, Center punch	1	24	53505-N	WING Urethane cutting edge	2
3	52236-M	108" Cutting Edge, Top punch	1	25	HH-00293-095	1/2 x 2 3/4" hex head cap screw, NC	6
3	51161-C	108" Cutting Edge, Center punch	1	26	HH-00340-901	1/4" coarse lock nut	2
3a	52234-M	96" Offset Cutting Edge for WING plow	1	27	HH-00293-006	1/4" - 20 x 1" hex head cap screw	2
4	53242-M	Trip Edge Shoe assembly (c/w show, washer & pin assembly)	2	28	53498-03-A	Driver Side cylinder cover	1
5	52440-C	Spring tube assembly (spring not included)	4	29	53498-04-A	Curb Side cylinder cover	1
5	52441-M	Trip Edge Spring	4	30	HH-00971-043	5/16" - 18 x 1" carriage bolt	6
6	52443-03-D-GA	90" Base Angle, Galvanized	1	31	HH-00294-002	5/16" - 18 hex nut	6
6	52443-04-D-GA	96" Base Angle, Galvanized for 96" Trip Edge & WING blade	1	32	HH-00972-153	3/4" - 16 x 3 1/2" hex head cap screw	6
6	52443-06-D-GA	108" Base Angle, Galvanized	1	33	HH-00973-007	3/4" - 16 nylon insert	8
7	52245-M	90" Poly Deflector	1	34a	53822-01-B	Driver Side Diverter Plate	1
7	52245-CR	90" Curved Deflector	1	34b	53822-02-B	Curb Side Diverter Plate	1
7	52246-M	96" Poly Deflector	1	35	HH-00341-006	1/2" flat washers	13
7	52246-CR	96" Curved Deflector	1	36	50999-B	Blade guides	2
7	52280-M	108" Poly Deflector	1	37	HH-00972-152	3/4" x 3 1/4" hex head cap screw, UNF	2
7	52280-CR	108" Curved Deflector	1	38	CS150-10.00-NRS	1 1/2" x 10" Angling cylinders	2
8	52239-M-GA	90" Strap	1	39	52463-D-GA	A frame for Trip Edge, Galvanized	1
8	52240-M-GA	96" Strap	1	40	HH-00972-090	1/2" x 1 1/2" hex head cap screw	3
8	52278-M-GA	108" Strap	1	41	HH-00460-002	1/2" hex nut	2
9	52239-M-GA	90" Strap	1	42	53325-A	A frame pin	2
9	52240-M-GA	96" Strap	1	43	HH-00020-164	Cotter pin	2
9	52278-M-GA	108" Strap	1	44	55018-M	Long lift chain, 40 in	2
				45	52488-B	Pivot Shaft	1

Heavy Duty WING Blade 96"



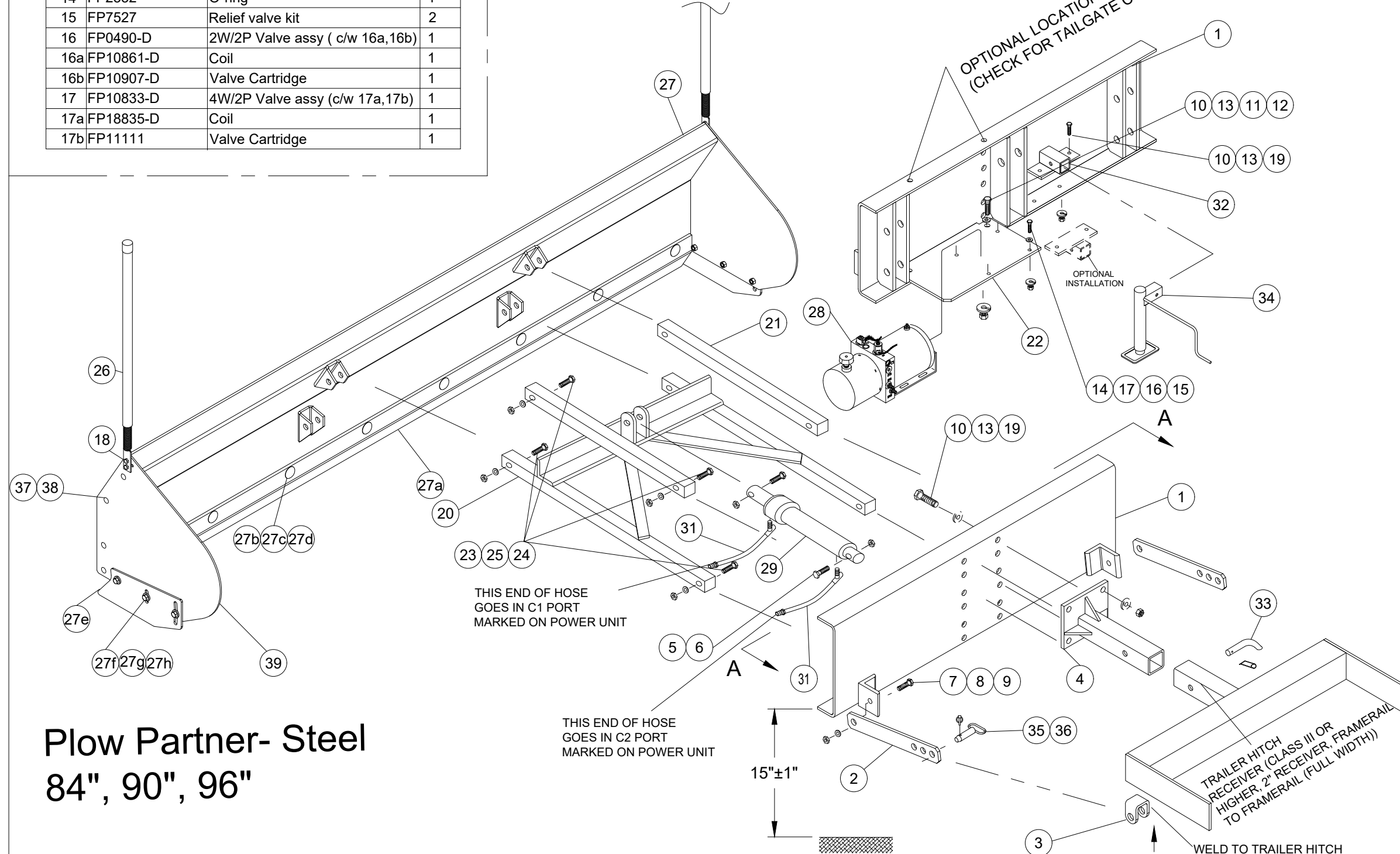
QLIV Hi boy lift frame



QLIV Hi boy lift frame Assembly B.O.M			
Sr #	Part #	Description	Qty
1	53517-D	QLIV Hi boy lift frame	1
2	53179-M	Spring Bracket	1
3	53177-M	Lock Handle	1
4	53178-M	Top Plate	1
5	53182-N	QLIV Lock Spring	1
6	52208-B-GA	Galvanized Light Brace (for low mount lift frame)	2
7	52209-B-GA	Galvanized light Antler (for low mount lift frame)	1
8	50999-B	Blade guides (not shown)	2
9	52373-M	Jack Assembly	1
10	53180-B	Spacer	1
11	50069-C-GA	Lift channel (for 1 1/2" lift cylinder) (not shown)	1
12	52612-B-GA	Lift channel (for 2" lift cylinder)	1
13	53174-B	Lock Bracket	1
14	HH-00293-050	3/8" - 16 x 1 1/4" Hex head cap screw	2
15	HH-00293-051	3/8" - 16 x 1 1/2" Hex head cap screw	3
16	HH-00293-053	3/8" - 16 x 2" Hex head cap screw	2
17	HH-00340-001	3/8" - 16 Nylon Inserts	7
18	53183-N	Hyloc Pin	1
19	HH-00294-001	1/4" - 20 Hex nut	2
20	HH-00457-006	1/4" lock-washer	2
21	HH-00293-006	1/4" - 20 x 1" Hex head cap screw	2
22	53181-B	Lift frame pin	2
23	53551-C	Spreader bar (23 1/8" narrow - not shown)	1
24	53507-C	Spreader bar (32 1/8" wide - not shown)	1
25	53429-C	Power unit cover for Hi boy lift frame	1
26	HH-00972-155	3/4" x 4" UNF Cap screw	2
27	HH-00973-007	3/4" locknut	3
28	HH-00972-153	3/4" x 3 1/2" UNF Cap screw	1

M3551 plow partner power unit

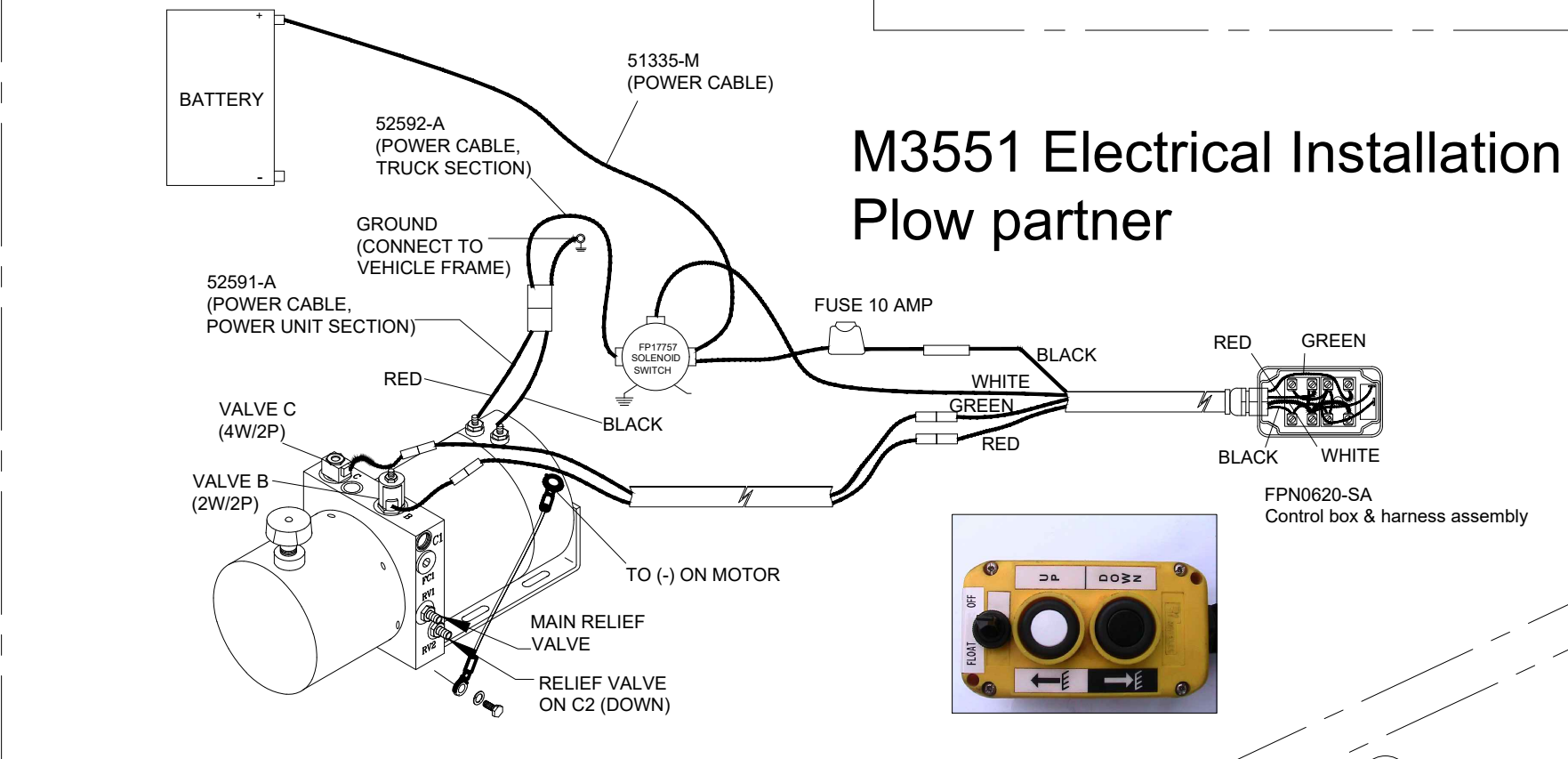
Plow partner Hydraulic Power unit (M3551) Assembly				Sr # Part # Description Qty			
1	FP12379	Pump Base assy	1	18	FPN0571	260" Power unit harness	1
2	FP0126	5/16 Ball	1	19	FP7995	Control box, only	1
3	FP2680	Poppet	1	20	FP1694	Quick connect terminal	2
4	FP0130	Spring	1	21	761022	5/16" ring terminal	1
5	FP3276	9/16 Plug	1	22	FP17757	Solenoid	1
6	FP3274	3/4 Plug	1	23	FP3414	#10 Stud Terminal	1
7	FP1723-0.75	Flow Control	1	24	FPN0620-SA	Control box & harness assy	1
8	FP13059	Return tube	1	25	FPN0919-SA	Control box harness	1
9	FP13092	Suction tube	1	26	FPN0920-SA	Consist of 26a+26b	1
10	FP13107	Filter Screen	1				
11	FP14045	Reservoir	1				
12	FP7703	10mm Self tappers	6				
13	FP18442	12V DC Motor	1				
14	FP2352	O-ring	1				
15	FP7527	Relief valve kit	2				
16	FP0490-D	2W/2P Valve assy (c/w 16a,16b)	1				
16a	FP10861-D	Coil	1				
16b	FP10907-D	Valve Cartridge	1				
17	FP10833-D	4W/2P Valve assy (c/w 17a,17b)	1				
17a	FP18835-D	Coil	1				
17b	FP11111	Valve Cartridge	1				



Plow Partner- Steel 84", 90", 96"

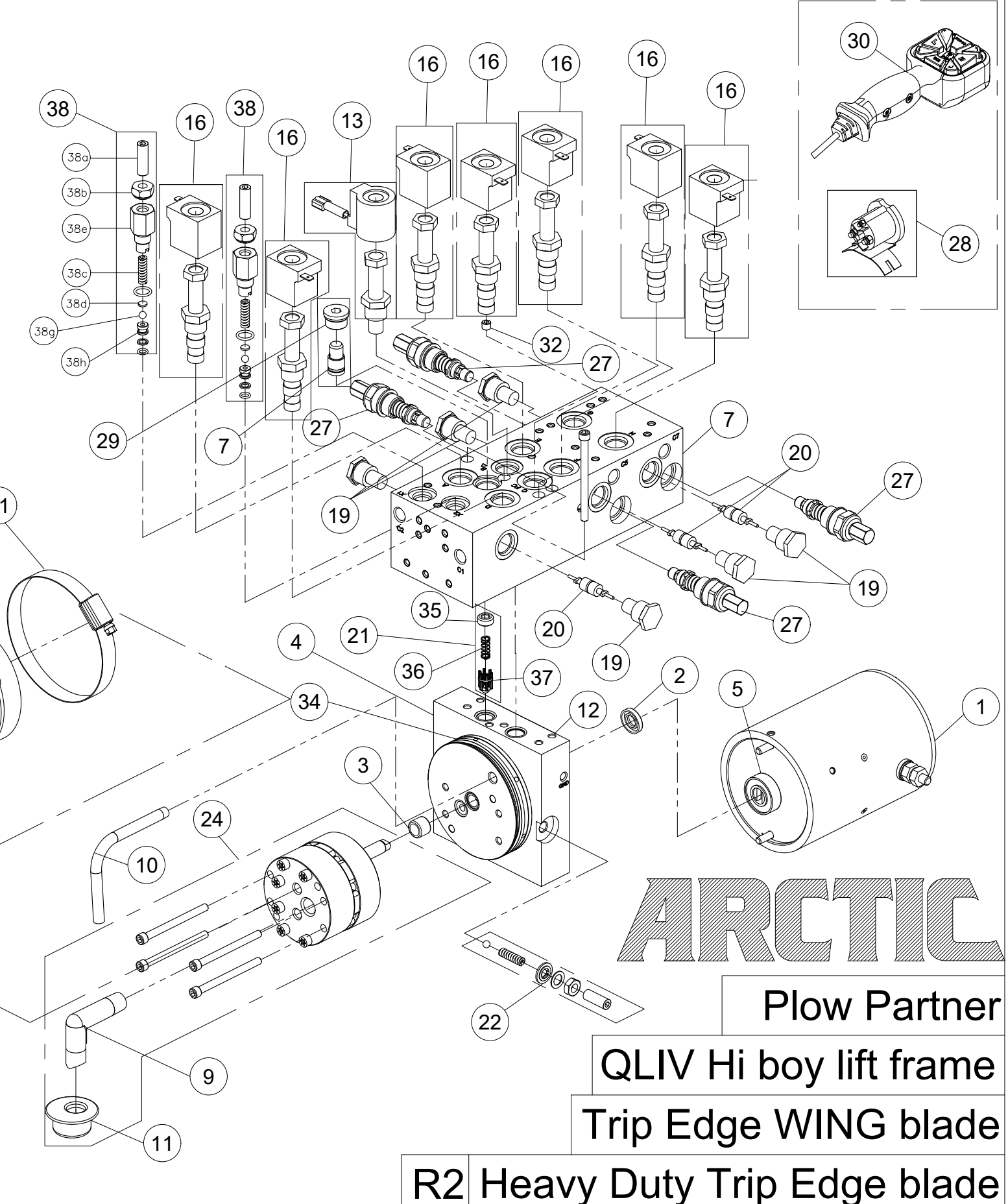
Plow Partner Steel Blade 84",90" & 96" Assembly BOM			
Sr #	Part #	Description	Qty
1	51051-C	Rear Frame	1
2	52401-A	Side Brace	2
3	50835-B	U Lug	2
4	52399-B	Pinle mount	1
5	HH-00972-151	3/4" x 3" HHCS	2
6	HH-00973-007	3/4" Locknut	2
7	HH-00972-146	3/4" x 1 3/4" HHCS	2
8	HH-00457-008	3/4" Lock washer	2
9	HH-00460-007	3/4" hex nut	2
10	HH-00972-091	1/2" x 1 3/4" HHCS	8
11	HH-00457-001	1/2" Lock washer	2
12	HH-00460-002	1/2" hex nut	2
13	HH-00341-006	1/2" Flat washer	10
14	HH-00972-028	5/16" x 1" HHCS	4
15	HH-00460-005	5/16" hex nut	4
16	HH-00457-007	5/16" Lock washer	4
17	HH-00341-003	5/16" Flat washer	4
18	GB001	1/4" x 1" Blade Guide bolt assy	2
19	HH-00540-004	1/2" Lock nut	6
20	51047-D	Lift frame	1
21	51056-A	Lift arm	2
22	52316-B	Power unit Mounting plate	1
23	HH-00972-134	5/8" x 3" HHCS	8
24	HH-00460-001	5/8" Hex nut	8
25	HH-00457-003	5/8" Lockwasher	8
26	50999-B	Blade guides	2
27	51041-84-D	84" Plow partner blade	1
27	51041-90-D	90" Plow partner blade	1
27	51041-96-D	96" Plow partner blade	1
27a	51044-84-B	84" Plow partner Cutting Edge	1
27a	51044-90-B	90" Plow partner Cutting Edge	1
27a	51044-96-B	96" Plow partner Cutting Edge	1
27b	HH-00971-137G8	1/2" - 13 x 1 3/4" Carriage bolt	8
27c	HH-00457-001	1/2" Lock washer	8
27d	HH-00294-005	1/2" - 13 hex nut	8
27e	51045-A	Plow partner Side guard	2
27f	HH-00293-050	3/8" - 1 1/4" HHCS	6
27g	HH-00340-001	3/8" nylon inserts	6
27h	HH-00340-004	3/8" flat washer	6
28	M3551	Plow partner power unit	1
29	CD150-05.00-NRS	1 1/2" x 5" plow partner cylinder	1
30	52591-A	Power Cable (not shown)	1
31	51904-M	1/4" x 29" Hose Assembly	2
32	53489-B	Jack receiver	1
33	51830-B	5/8" x 2" Spreader/Jack pin assy	1
34	52373-01-M	Jack	1
35	52756-N	1/4" Lynch Pin	2
36	53544-B	Pin	2
37	HH-00971-136	1/2" x 1 1/2" carriage bolt	8
38	HH-00340-003	1/2" nylon insert	8
39	51043-M	Side Plate	2

M3551 Electrical Installation Plow partner



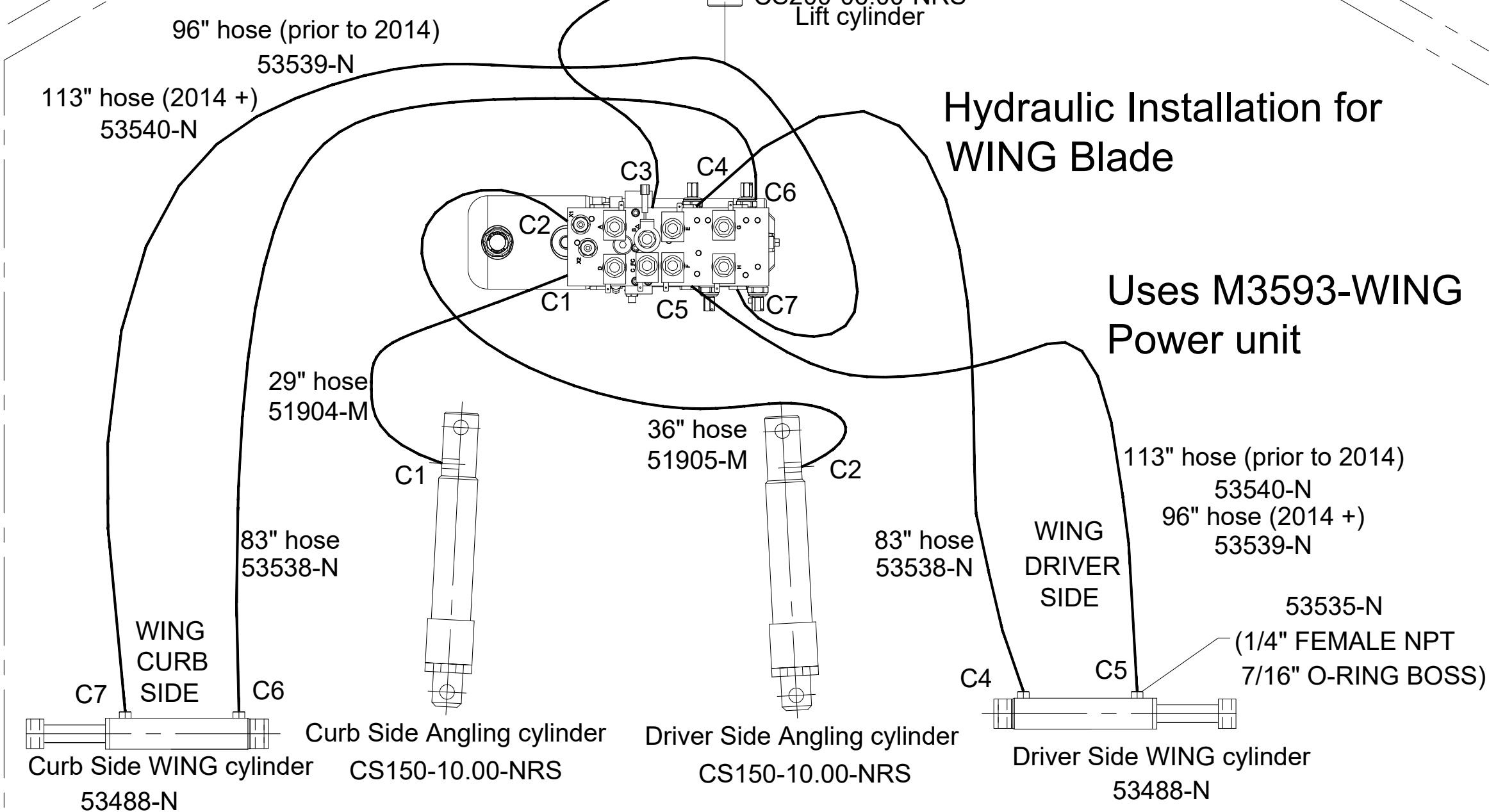
WING Blade Hydraulic Power unit (M3593) Assembly			
Sr #	Part #	Description	Qty
1	FP8111-1	Control station, rocker switch	1
2	FP2159	Pump Shaft seal	4
3	FP7985	Needle bearing	2
4	FP18405	M3593 WING Pump base assy	1
5	FP2318	Bearing (motor to pump base)	1
6	FP6102	Plastic Reservoir	1
7	FP1723-1.0	Flow Control	1
8	FP22002	Manifold Only	1
9	FP1209	Suction tube	1
10	FP13058	Return tube	1
11	FP1134	Suction filter	1
12	FP0118	O-ring, 1/16 x 5/8 x 3/4	2
13	FP0490-D	2W/2P Valve Assembly (14,15)	37
14	FP10861-D	12V DC Coil	1
15	FP10907-D	2W/2P Valve Cartridge	1
16	FP2749-D	3W/2P Valve Assembly (17,18)	3
17	FP18835-D	10V DC Coil	1
18	FP0679-D	3W/2P Valve Cartridge	1
19	FP2717	P.O Check Valve	2
20	FP7218	Piston for P.O Check valve	1
21	FP7526	Check valve kit	1
22	FP7527	Relief valve kit	1
23	FPN0571	Breather	1
24	FP12171-250-SA	Pump assembly kit	1
25	FPN0670	Harness Valve Section	1

M3593-WING power unit



Hydraulic Installation for WING Blade

Uses M3593-WING Power unit



ARCTIC

Plow Partner

QLIV Hi boy lift frame

Trip Edge WING blade

R2 Heavy Duty Trip Edge blade