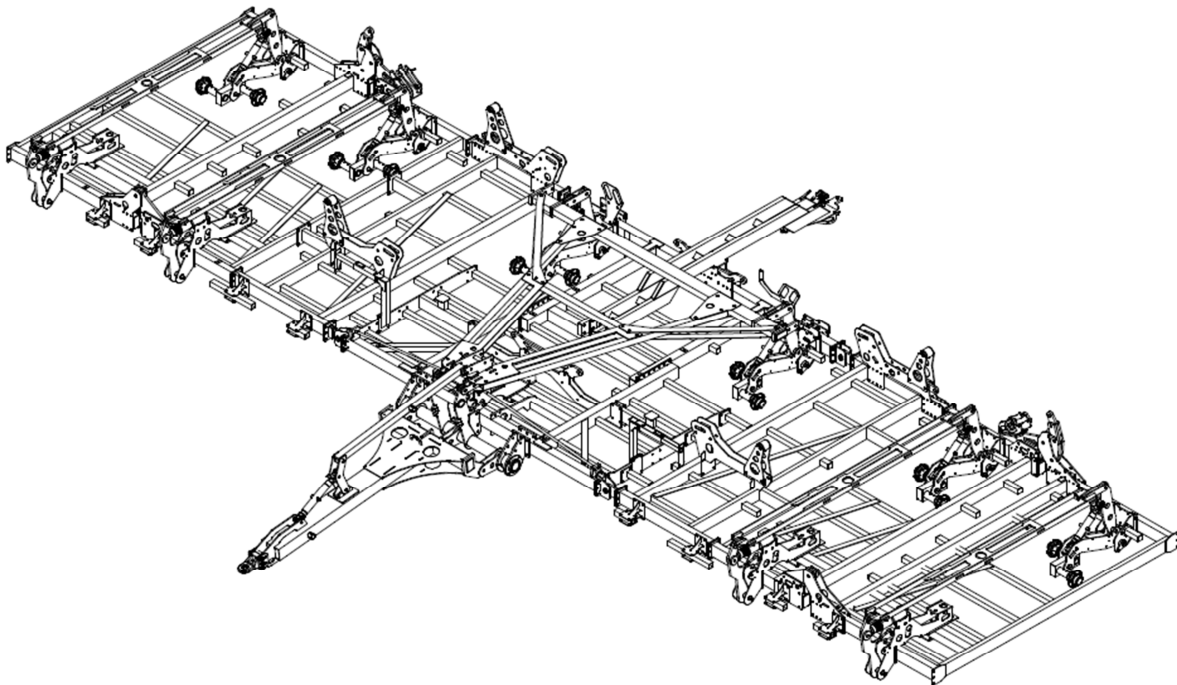




38'-50' PARTS BOOKLET S-TINE

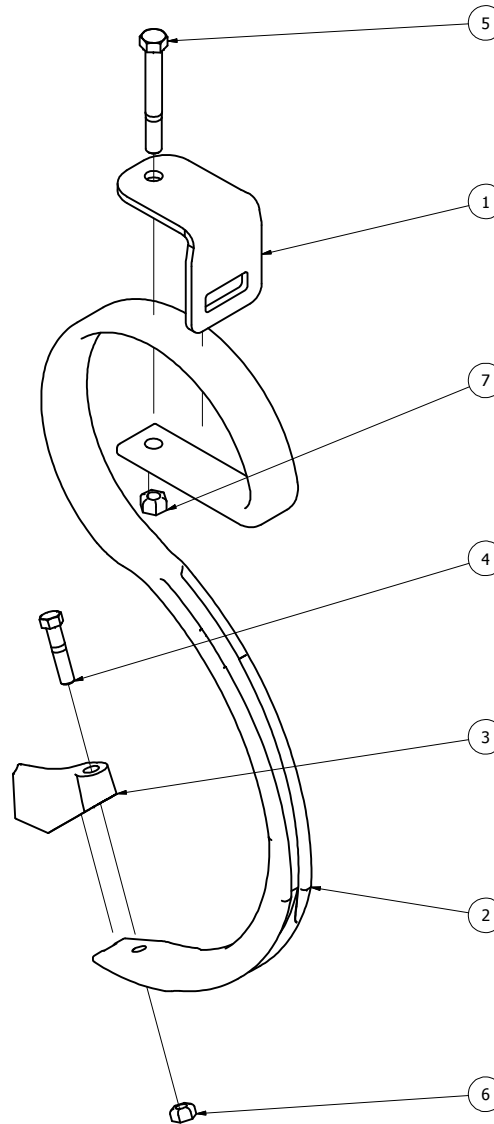
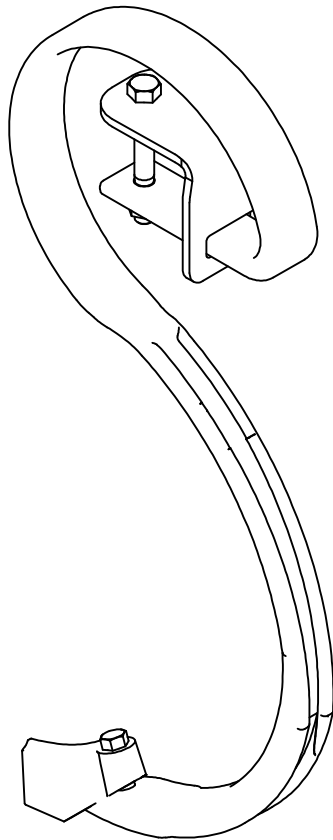
2015 EDITION

PAGE	DESCRIPTION
2.	S-TINE ASSEMBLY
3.	HUB ASSEMBLY
4.	HUB ASSEMBLY 8-BOLT
5.	GUAGE WHEEL ASSEMBLY
6.	CASTOR WHEEL ASSEMBLY
7.	MAIN SUSPENSION
8-10.	WING SUSPENSION
11.	HINGES & MOUNTS
12.	TONGUE
13-15.	CADDY
16.	A-FRAME
17.	REAR HITCH
18.	TIRES / HYDRAULICS / ELECTRICAL



S-TINE ASSEMBLY

2



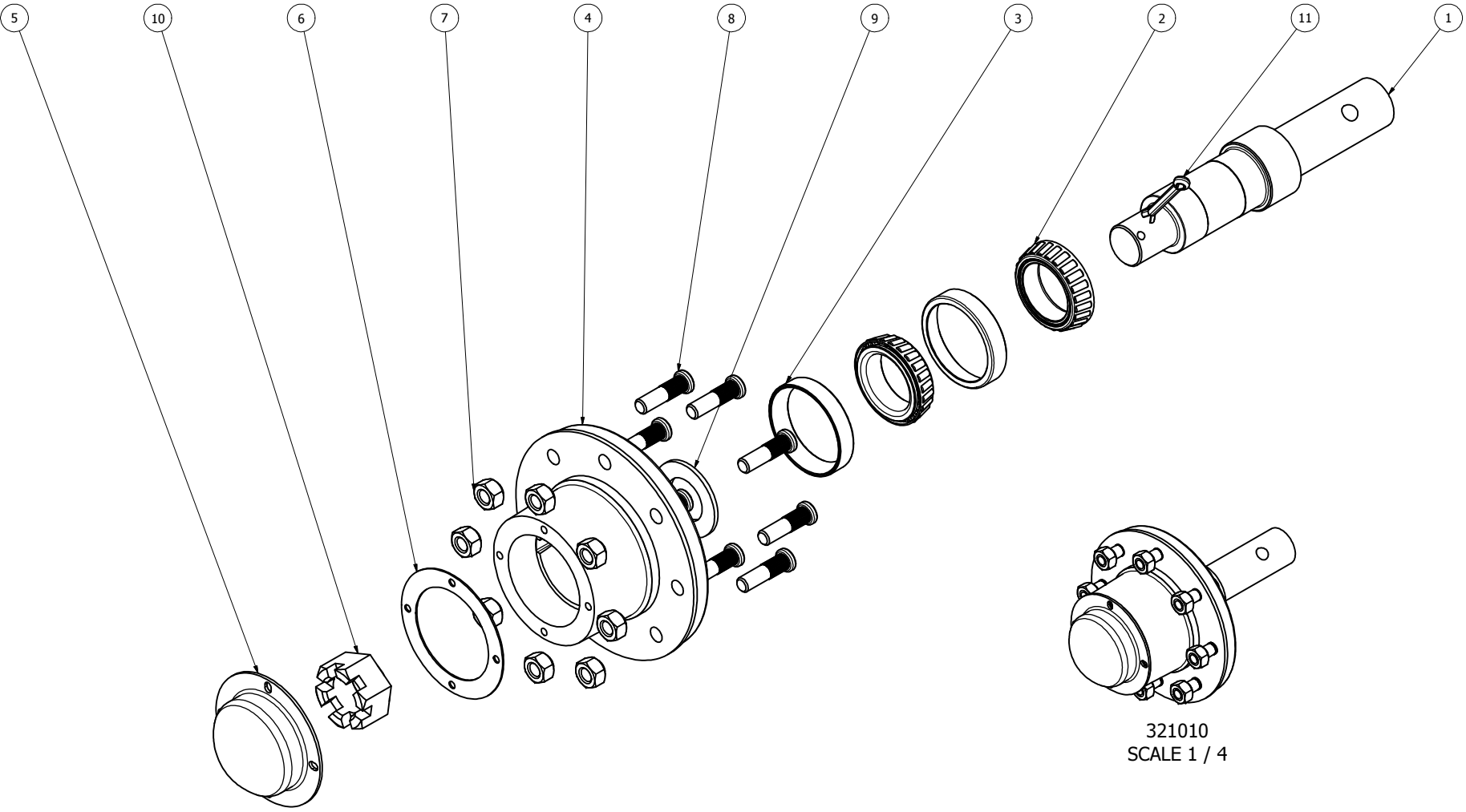
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	122015	S'Tine Clamp Bracket
2	1	425110	S'Tine 45 x 12
3	1	425210	Penta 1075-5 3" Cast Sweep
4	1	510130	7/16" - 14 x 2" HEX BOLT, GR.5
5	1	510145	1/2" - 13 x 4" HEX BOLT, GR.5
6	1	521013	All Steel GRC L/N 1/2-14 PLTD**
7	1	521014	All Steel GRC L/N 1/2-13 PLTD **

DRAWN wattwood	DATE 19/11/2015			
QA				
MFG				
CHECKED BY M. Batterink		TITLE S'Tine 45 x 12 Assembly		
pentaequipment.com		SIZE C	DWG NO 425100	REV
		SHEET 1 OF 1		

8 BOLT HUB ASSEMBLY

3



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	221005	12000 lb 8 Bolt Hub Spindle Main Center
2	2	422017	CONE BEARING 28995
3	2	422018	CUP / RACE 28921
4	1	422042P	8 BOLT 12000 LB HUB
5	1	422043	12000 lb Dust Cap Bolt On Type
6	1	422044	12000 lb Gasket For Bolt On Dust Cap
7	8	422118	5/8 FT TAPERED NUT
8	8	422138	PRESS IN WHEEL BOLT F58 - 18 X 225
9	1	422154	WASHER 1-13/16" ID X 3-1/2" OD X 1/4"
10	1	422155	SLOTTED NUT 1.75 - 12 UNF 1- 1/2
11	1	422156	Split pins (inch series) BS 1574 - 5/16 x 2 3/4

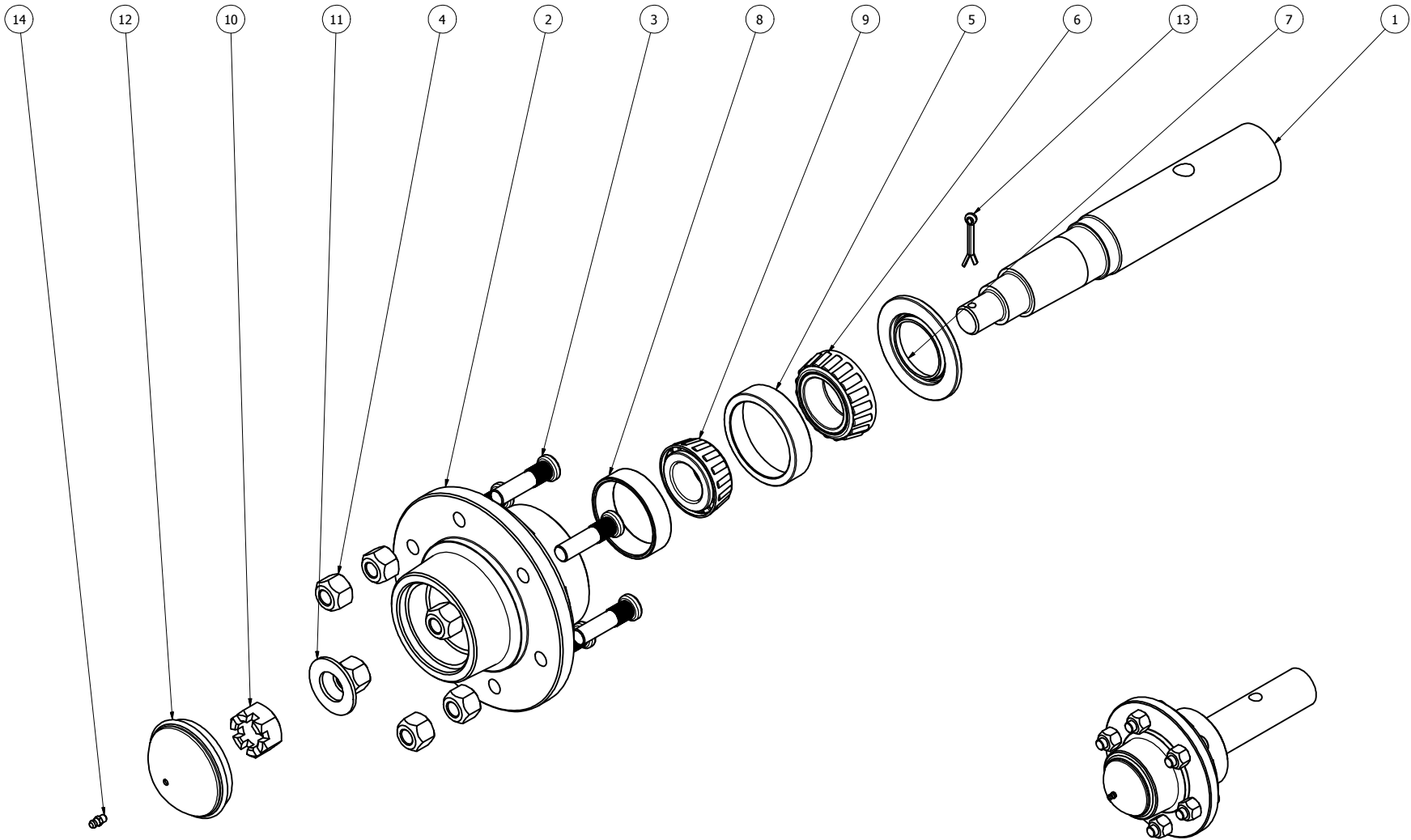
DRAWN wattwood	DATE 30/11/2015
QA	
MFG	
CHECKED BY M. Batterink	
pentaequipment.com	



TITLE 8 Bolt 12000 Hub Assembly

SIZE C	DWG NO 321010	REV
-----------	------------------	-----

6000LBS HUB ASSEMBLY



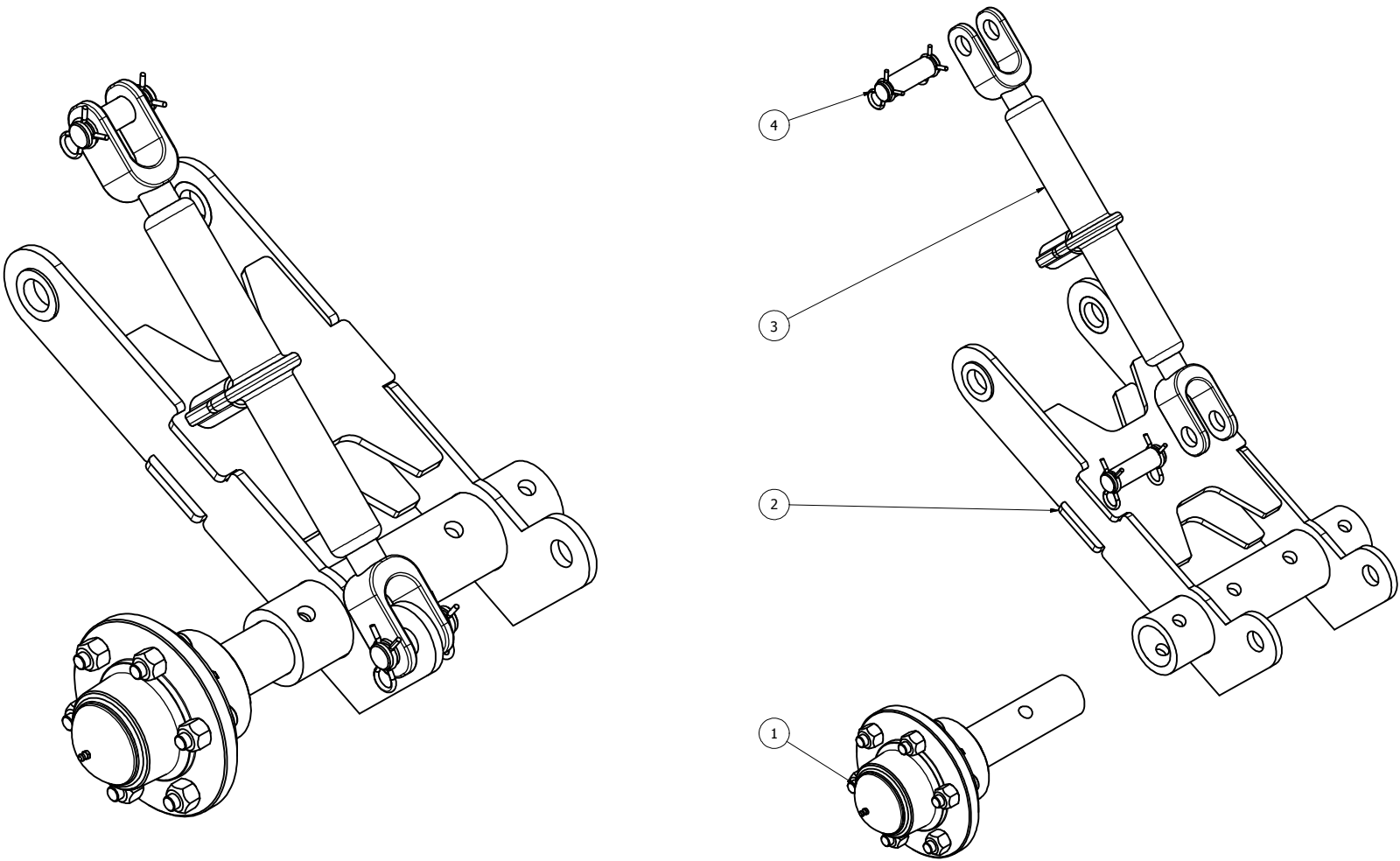
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	221000-1	tire spindle standard
2	1	422000	6 BOLT 6000 LB HUB
3	6	422001	PRESS IN WHEEL BOLT 9/16-18 UNF 2-1/8"
4	6	422002	WHEEL CONE NUT 9/16-18 UNF
5	1	422003	CUP/RACE 25520
6	1	422004	CONE BEARING 25590
7	1	422005	SEAL CR 20148 3-5/8 OD, 2 ID
8	1	422006	CUP/RACE 25821
9	1	422007	CONE BEARING 25877
10	1	422008	CASTLE NUT 1-14 UNF
11	1	422009	WASHER 2" OD 1-1/16"ID 1/8" THICK
12	1	422011	DUSTCAP
13	1	422128	SPLIT PIN - 3/16 x 1 1/2
14	1	423001	GREASE ZERK 1/4" - 28 UNF

DRAWN wattwood	DATE 19/11/2015		
QA			
MFG			
CHECKED BY M. Batterink		TITLE 6000LBS HUB ASSEMBLY	
pentaequipment.com		SIZE C	DWG NO 320100-1
			REV
			SHEET 1 OF 1

FRONT GAUGE WHEEL, FIXED

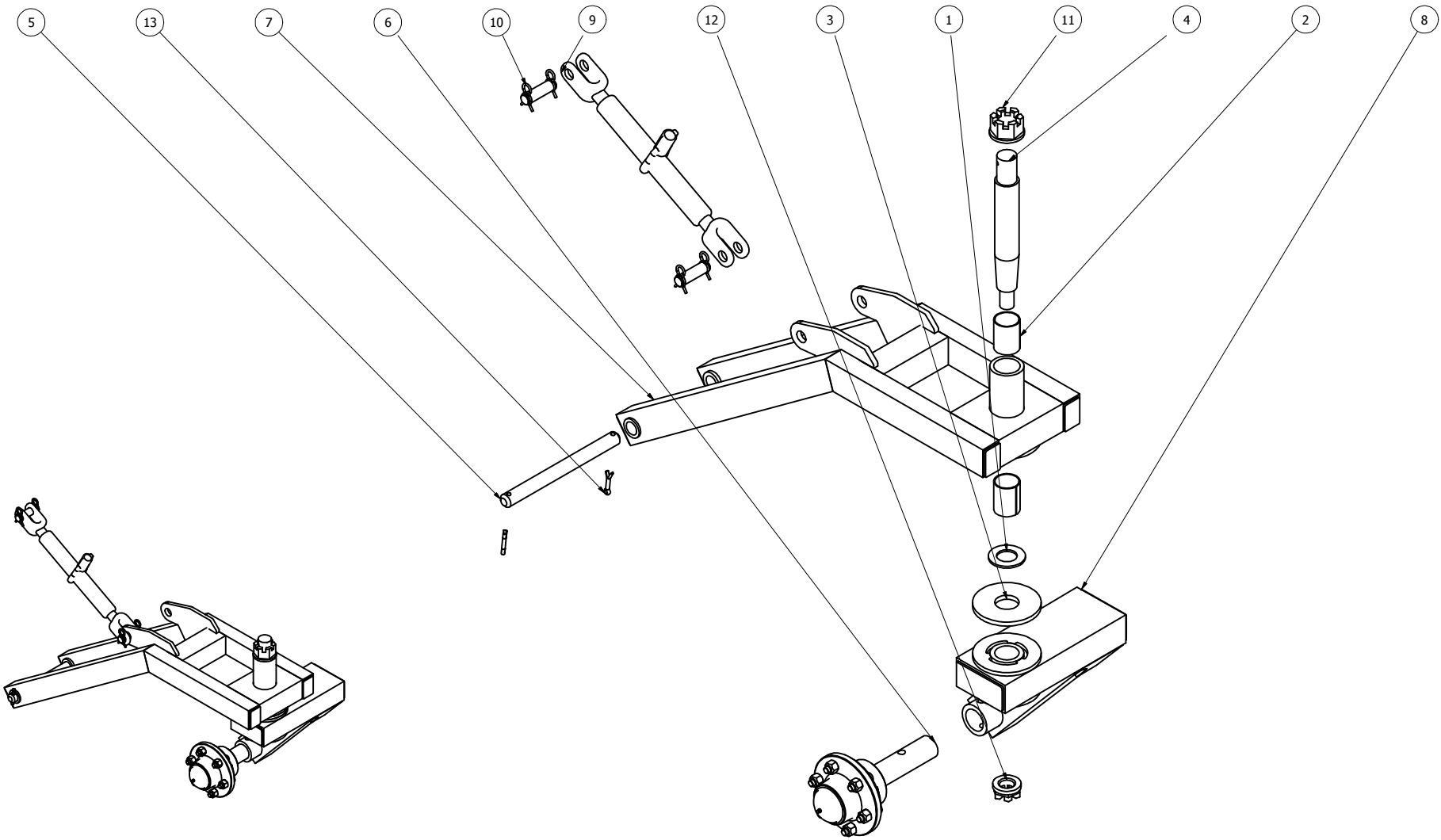
5



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	320100-1	6000LBS ASSEMBLY
2	1	320127	GAUGE WHEEL ARM
3	1	423003	Racket 20"-28"
4	2	425080	Clevis Pin & Clip 1" x 3 3/8" Overall

DRAWN wattwood	DATE 19/11/2015			
QA				
MFG				
CHECKED BY M. Batterink		TITLE FRONT GAUGE WHEEL, FIXED		
pentaequipment.com		SIZE C	DWG NO 920120	REV
			SHEET 1 OF 1	

CASTER WHEEL ASSEMBLY



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	121066	SWIVEL WHEEL WASHER
2	2	220069	Caddy/Gauge Wheel Pivot Bushing
3	1	220107	2.13 x ID 6 OD x .43
4	1	222016-2	SWIVLE WHEEL PIVOT PIN, TAPERED
5	1	222017-1	SWIVEL WHEEL MOUNT PIN
6	1	320100-1	6000LBS ASSEMBLY
7	1	320334-1	CASTER WHEEL MOUNTING ARM
8	1	320335-4	CASTER WHEEL PIVOT ARM
9	1	423003	Racket 20"-28"
10	2	425080	Clevis Pin & Clip 1" x 3 3/8" Overall
11	1	500130	1-3/4 UN-FLANGED CASTLE NUT
12	1	540011	1 1/4" UNF FLANGE CASTLE NUT
13	2	ROLL PIN	3/8" ROLL PIN

DRAWN
wattwood

DATE
19/11/2015

QA

MFG

CHECKED BY
M. Batterink

pentaequipment.com



TITLE CASTER WHEEL ASSEMBLY

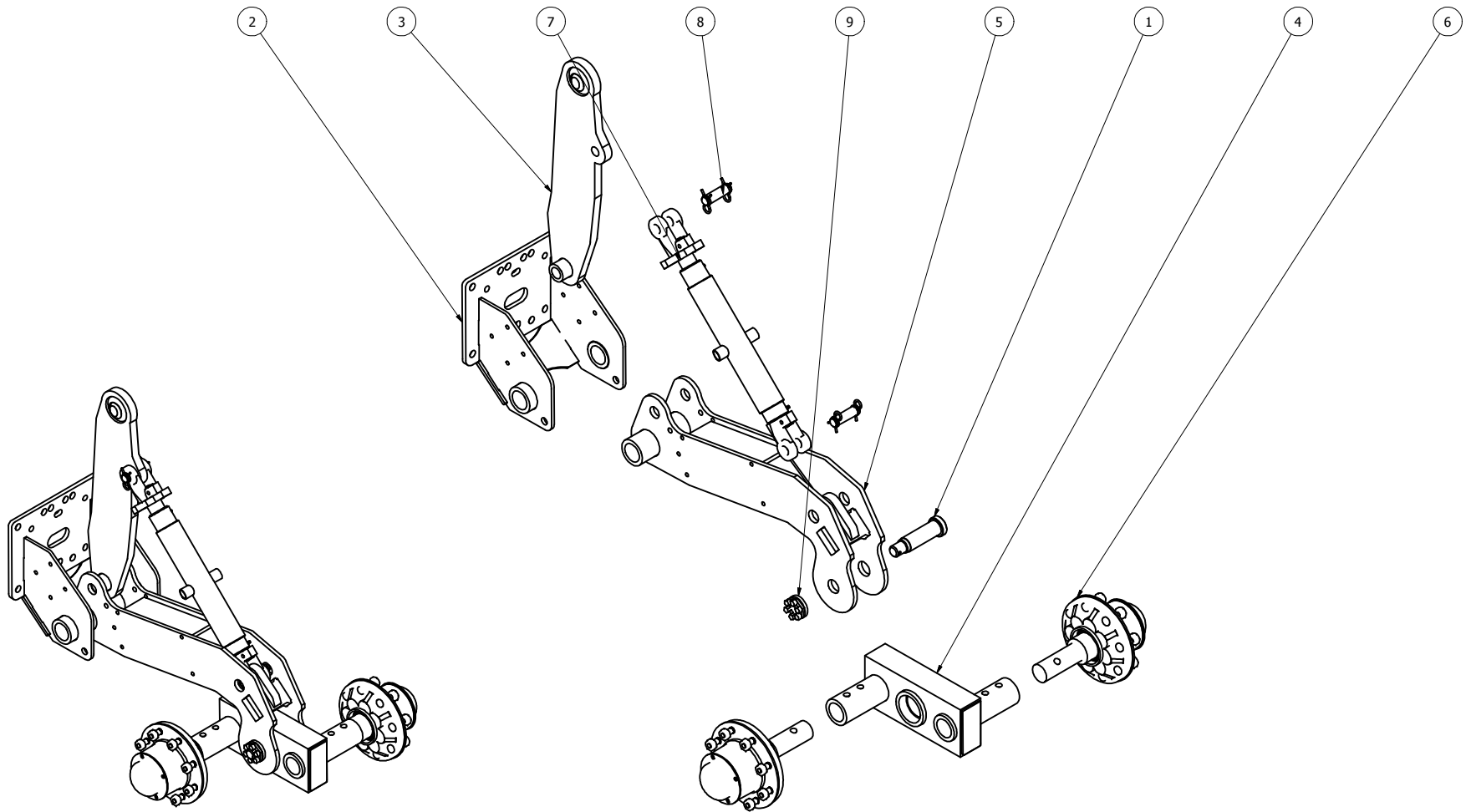
SIZE
C

DWG NO
323013

REV

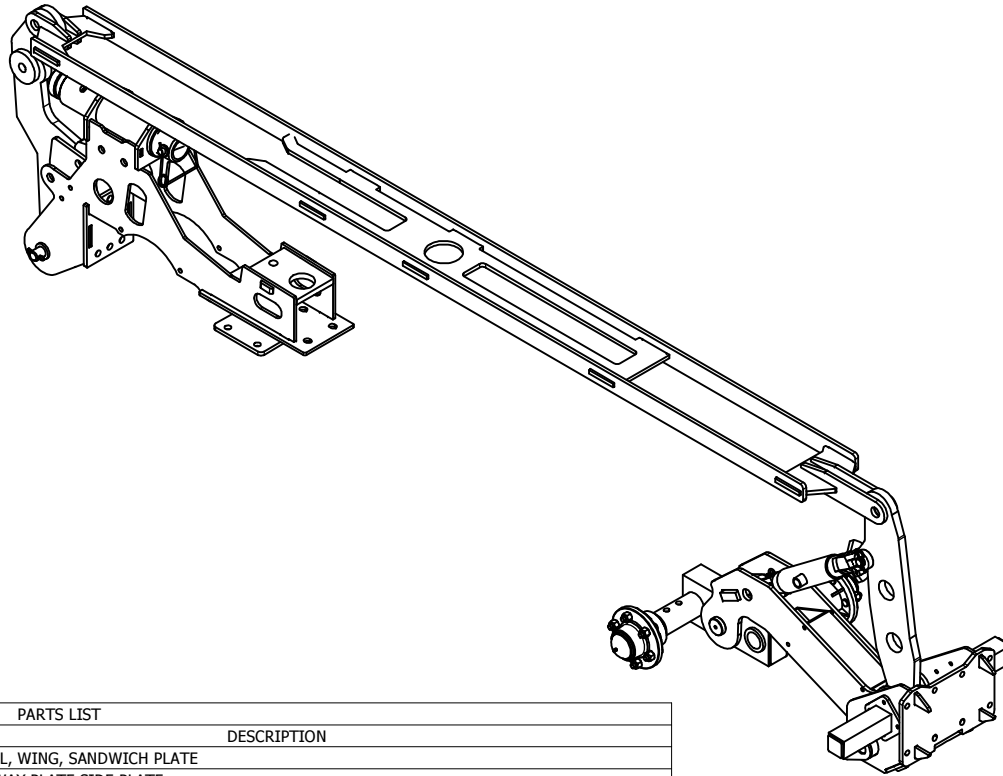
SHEET 1 OF 1

38'-50' MAIN SUSPENSION (S-TINE)



PARTS LIST				DRAWN	DATE			
ITEM	QTY	PART NUMBER	DESCRIPTION	wattwood	02/12/2015			
1	1	222029	Walking Beam Pin			TITLE 38'-50' MAIN SUSPENSION (S-TINE)		
2	1	320119-1	MAIN DOWNARM MOUNT	QA				
3	1	320120	UPRIGHT SUSPENSION ARM, MAIN			SIZE C DWG NO MAIN BIFOLD SUSPENSION S-TINE REV		
4	1	320141-1	WALKING BEAM	MFG				
5	1	320142	WALKING BEAM DOWNARM			SHEET 1 OF 1		
6	2	321010	8 Bolt 12000 Hub Assembly	CHECKED BY				
7	1	323022-1	RACHET ASSEMBLY, 24.25" (C SHANK & TONGUE)	M. Batterink				
8	2	425080	Clevis Pin & Clip 1" x 3 3/8" Overall	pentaequipment.com				
9	1	540011	1 1/4" UNF FLANGE CASTLE NUT					

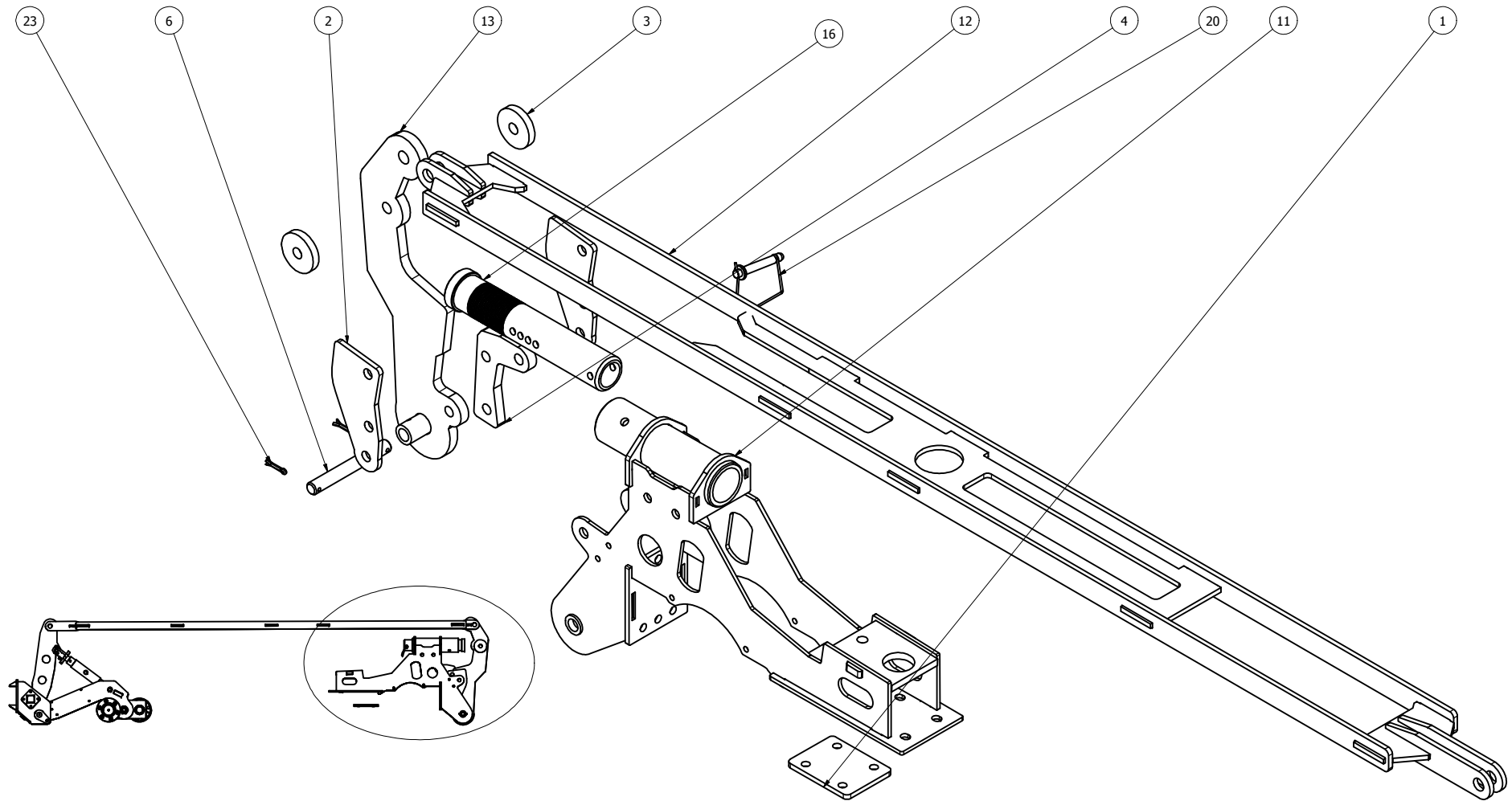
WING SUSPENSION 26'-50' (S-TINE) TABLE OF CONTENTS



PARTS LIST							
ITEM	QTY	PART NUMBER	DESCRIPTION				
1	1	124067	DEPTH CONTROL, WING, SANDWICH PLATE				
2	2	124080	WING BREAK AWAY PLATE SIDE PLATE				
3	2	126092	DEPTH CONTROL BUSHING				
4	1	127015	WING DEPTH CONTROL BREAK AWAY PLATE				
5	2	220102	1.05"ID, 1.5"OD X .875" LONG				
6	1	220120	1.25 OD x 10				
7	1	222029	Walking Beam Pin				
8	2	320021	DOWNARM MOUNT PIN				
9	2	320100-1	6000LBS ASSEMBLY				
10	1	320122	UPRIGHT SUSPENSION ARM, WING				
11	1	320123	DEPTH CONTROL, WING				
12	1	320125	WING SUSPENSION ARM				
13	1	320126	WING DEPTH CONTROL ARM				
14	1	320141-1	WALKING BEAM	DRAWN	DATE		
15	1	320142	WALKING BEAM DOWNARM	wattwood	18/11/2015		
16	1	320150	DEPTH CONTROL	QA			
17	1	320396-1	WING DOWNARM MOUNT ASSEMBLY				
18	2	320620	DOWN ARM MOUNT	MFG		TITLE GENERIC WING SUSPENSION	
19	1	323021 OR 323022-1	RACHET ASSEMBLY OR RACHET ASSEMBLY, 24.25" (C SHANK & TONGUE)	CHECKED BY		SIZE	DWG NO
20	1	423056	Pin 3/4"OD x 6.25" Long w/clip	M. Batterink		C	WING SUSPENSION
21	2	425080	Clevis Pin & Clip 1" x 3 3/8" Overall	pentaequipment.com			REV
22	1	540011	1 1/4" UNF FLANGE CASTLE NUT				
23	2	ROLL PIN	3/8" ROLL PIN				
							SHEET 1 OF 3

WING SUSPENSION FRONT HALF

9



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	124067	DEPTH CONTROL, WING, SANDWICH PLATE
2	2	124080	WING BREAK AWAY PLATE SIDE PLATE
3	2	126092	DEPTH CONTROL BUSHING
4	1	127015	WING DEPTH CONTROL BREAK AWAY PLATE
6	1	220120	1.25 OD x 10
11	1	320123	DEPTH CONTROL, WING
12	1	320125	WING SUSPENSION ARM
13	1	320126	WING DEPTH CONTROL ARM
16	1	320150	DEPTH CONTROL
20	1	423056	Pin 3/4"OD x 6.25" Long w/clip
23	2	ROLL PIN	3/8" ROLL PIN

DRAWN
wattwood

DATE
18/11/2015

QA

CHECKED BY
M. Batterink

pentaequipment.com



TITLE GENERIC WING SUSPENSION

SIZE
C

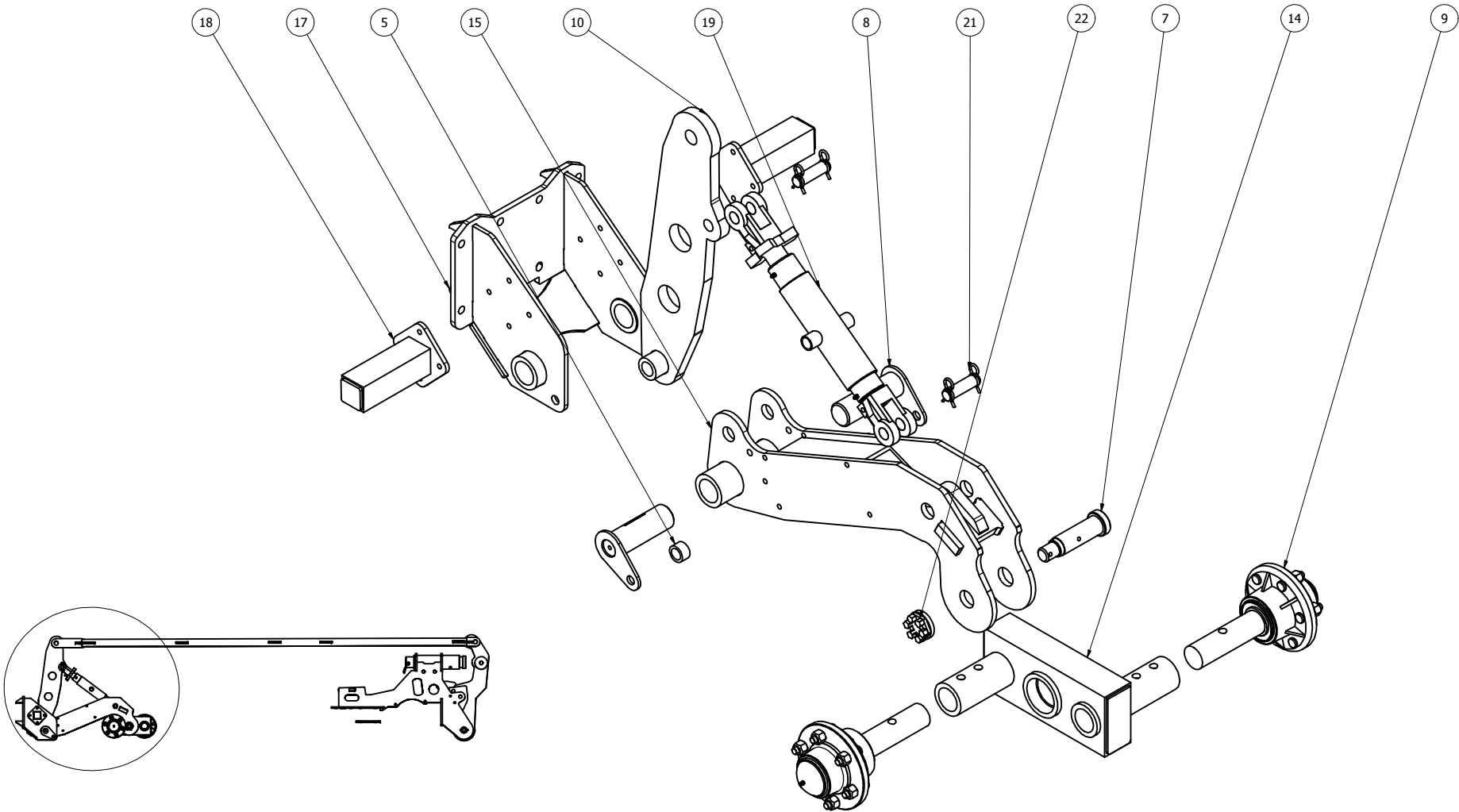
DWG NO
WING SUSPENSION

REV

SHEET 2 OF 3

WING SUSPENSION BACK HALF

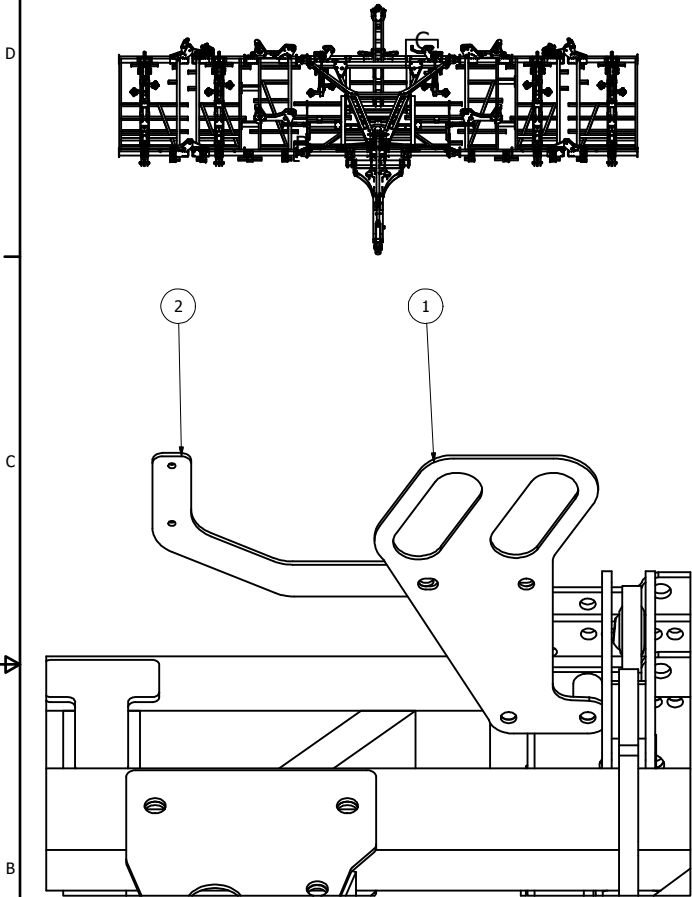
10



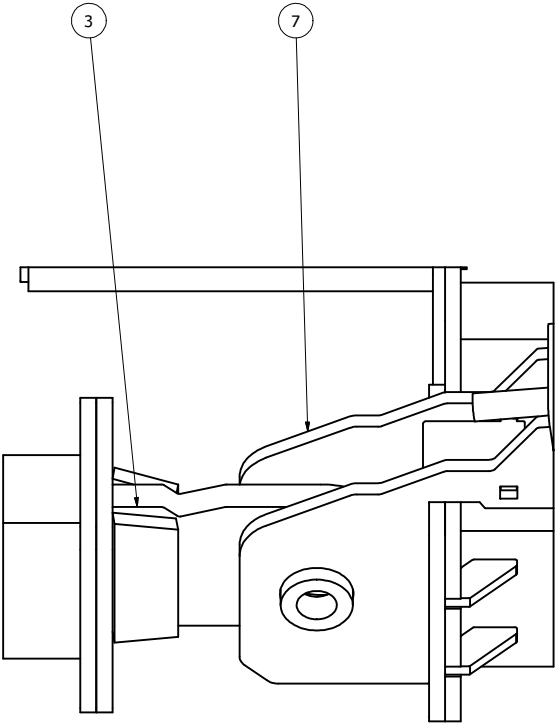
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
5	2	220102	1.05"ID, 1.5"OD X .875" LONG
7	1	222029	Walking Beam Pin
8	2	320021	DOWNARM MOUNT PIN
9	2	320100-1	6000LBS ASSEMBLY
10	1	320122	UPRIGHT SUSPENSION ARM, WING
14	1	320141-1	WALKING BEAM
15	1	320142	WALKING BEAM DOWNARM
17	1	320396-1	WING DOWNARM MOUNT ASSEMBLY
18	2	320620	DOWN ARM MOUNT
19	1	323021 OR 323022-1	RACHET ASSEMBLY OR RACHET ASSEMBLY, 24.25" (C SHANK & TONGUE)
21	2	425080	Clevis Pin & Clip 1" x 3 3/8" Overall
22	1	540011	1 1/4" UNF FLANGE CASTLE NUT

DRAWN wattwood	DATE 18/11/2015		
QA			
MFG		TITLE GENERIC WING SUSPENSION	
CHECKED BY M. Batterink		SIZE C	DWG NO WING SUSPENSION
pentaequipment.com			REV
SHEET 3 OF 3			

HINGES & MOUNTS 38'-50' (S-TINE)



DETAIL C
SCALE 1 / 5



DETAIL B
SCALE 1 / 3

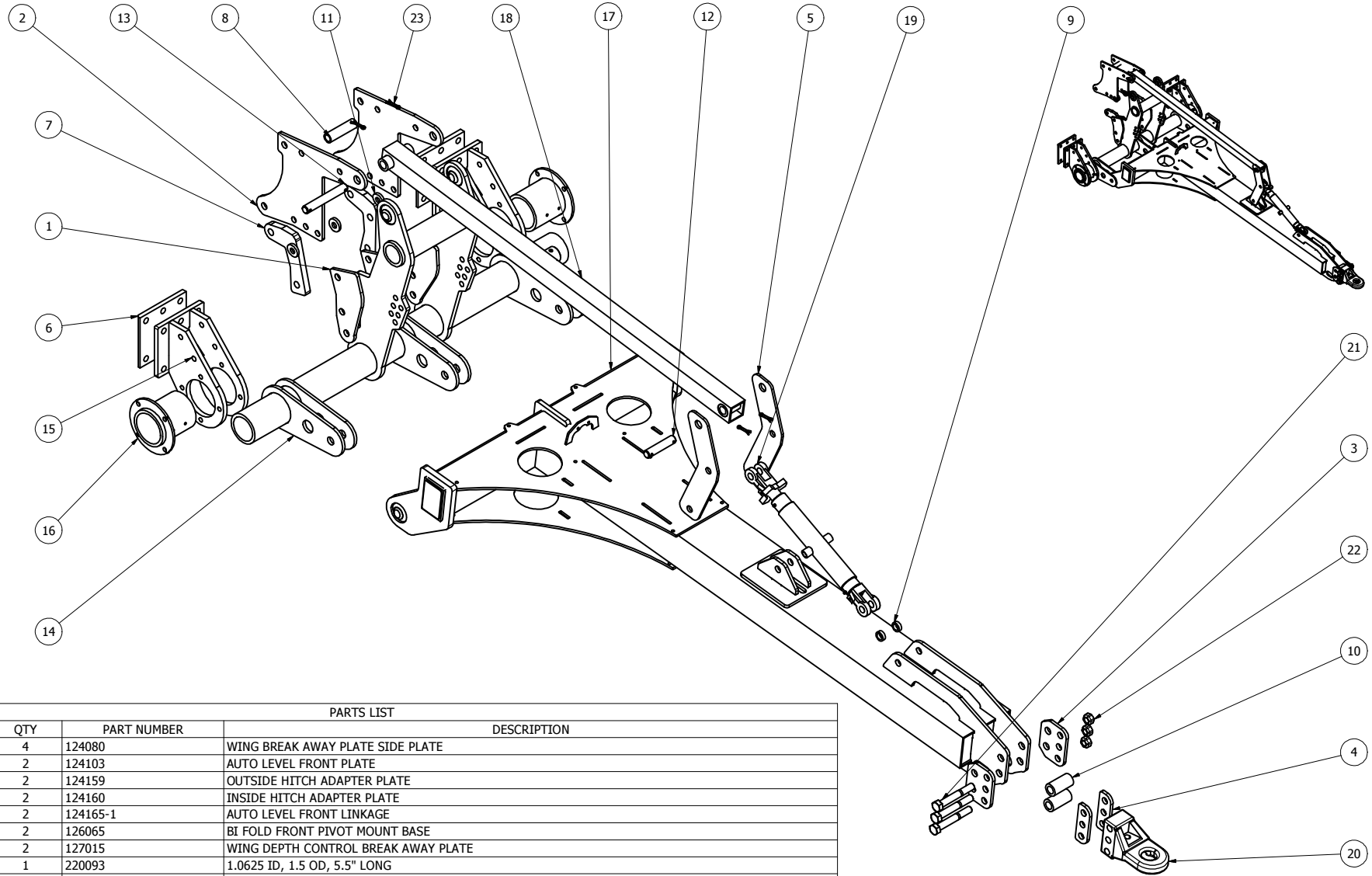
**PLEASE CALL MANUFACTURER FOR MORE
INFORMATION ON HINGE ASSEMBLIES**

PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	
1	2	122105	LIGHT MOUNT	
2	1	122106	YIELD SIGN MOUNT	
3	4	320148	WING HINGE	
7	2	320403-3	FRONT MAIN HINGE	

DRAWN wattwood	DATE 23/11/2015			
QA				
MFG		TITLE		
CHECKED BY M. Batterink		SIZE C	DWG NO BIFOLD HINGES AND MOUNTS	REV
pentaequipment.com				
SHEET 1 OF 1				

TONGUE 38'-50' (S-TINE)

12



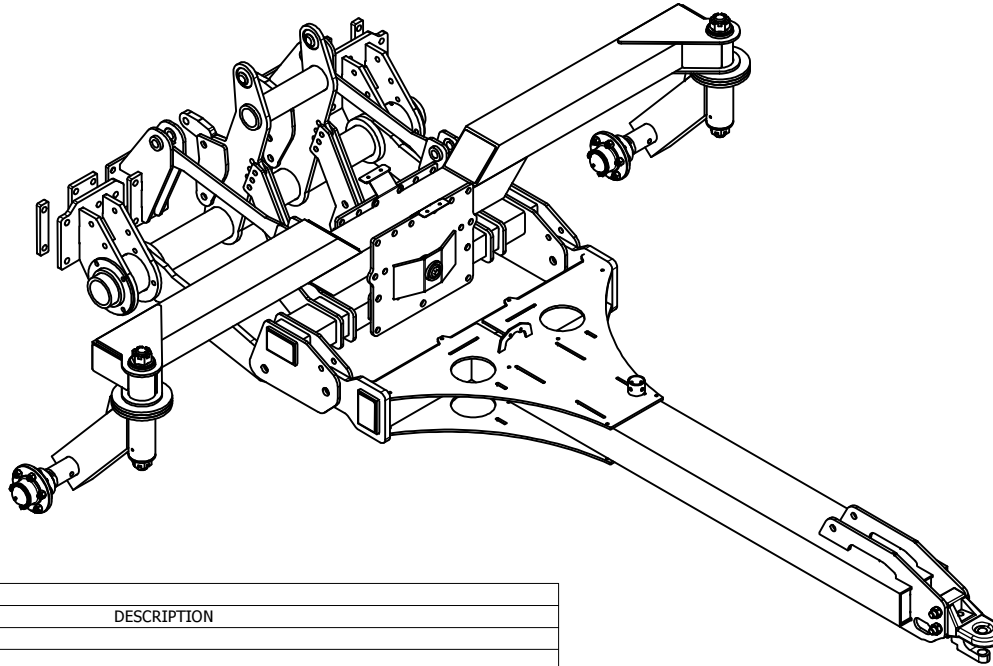
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	124080	WING BREAK AWAY PLATE SIDE PLATE
2	2	124103	AUTO LEVEL FRONT PLATE
3	2	124159	OUTSIDE HITCH ADAPTER PLATE
4	2	124160	INSIDE HITCH ADAPTER PLATE
5	2	124165-1	AUTO LEVEL FRONT LINKAGE
6	2	126065	BI FOLD FRONT PIVOT MOUNT BASE
7	2	127015	WING DEPTH CONTROL BREAK AWAY PLATE
8	1	220093	1.0625 ID, 1.5 OD, 5.5" LONG
9	2	220101-1	1.03" ID, 1.5" OD X .5" LONG
10	2	220103	1.25ID, 2.00D X 3.875" LONG
11	4	220104	.938 x ID 2.125 OD x .229
12	1	222020	AUTOLEVEL TOP TUBE @ AUTOLEVEL TONGUE HEIGHT LINKAGE
13	1	222021	AUTOLEVEL TOP TUBE @ TOP TUBE MOUNT
14	1	320185	BI FOLD AUTO LEVEL CAM
15	2	320186	BI FOLD FRONT PIVOT MOUNT
16	2	320187	BI FOLD FRONT PIVOT BUSHING
17	1	320188-2	BI FOLD TONGUE, AUTO LEVEL
18	1	320349	AUTO LEVEL TOP TONGUE TUBE
19	1	323022-1	RACHET ASSEMBLY, 24.25" (C SHANK & TONGUE)
20	1	423024	Cat. 4&5 Hitch Base Clevis
21	3	510371	Hex Cap GR8 1 -8X7 ZINC
22	3	521025	All Steel GRC L/N 1" PLTD **
23	4	ROLL PIN	3/8" ROLL PIN

DRAWN wattwood	DATE 23/11/2015		
QA			
MFG		TITLE S'Tine Bi fold Auto Level Setup	
CHECKED BY M. Batterink		SIZE C	DWG NO 323592-2
pentaequipment.com			REV
		SHEET 1 OF 1	

CADDY/FLOATING HITCH 38'-50' (C-SHANK & S-TINE)

TABLE OF CONTENTS



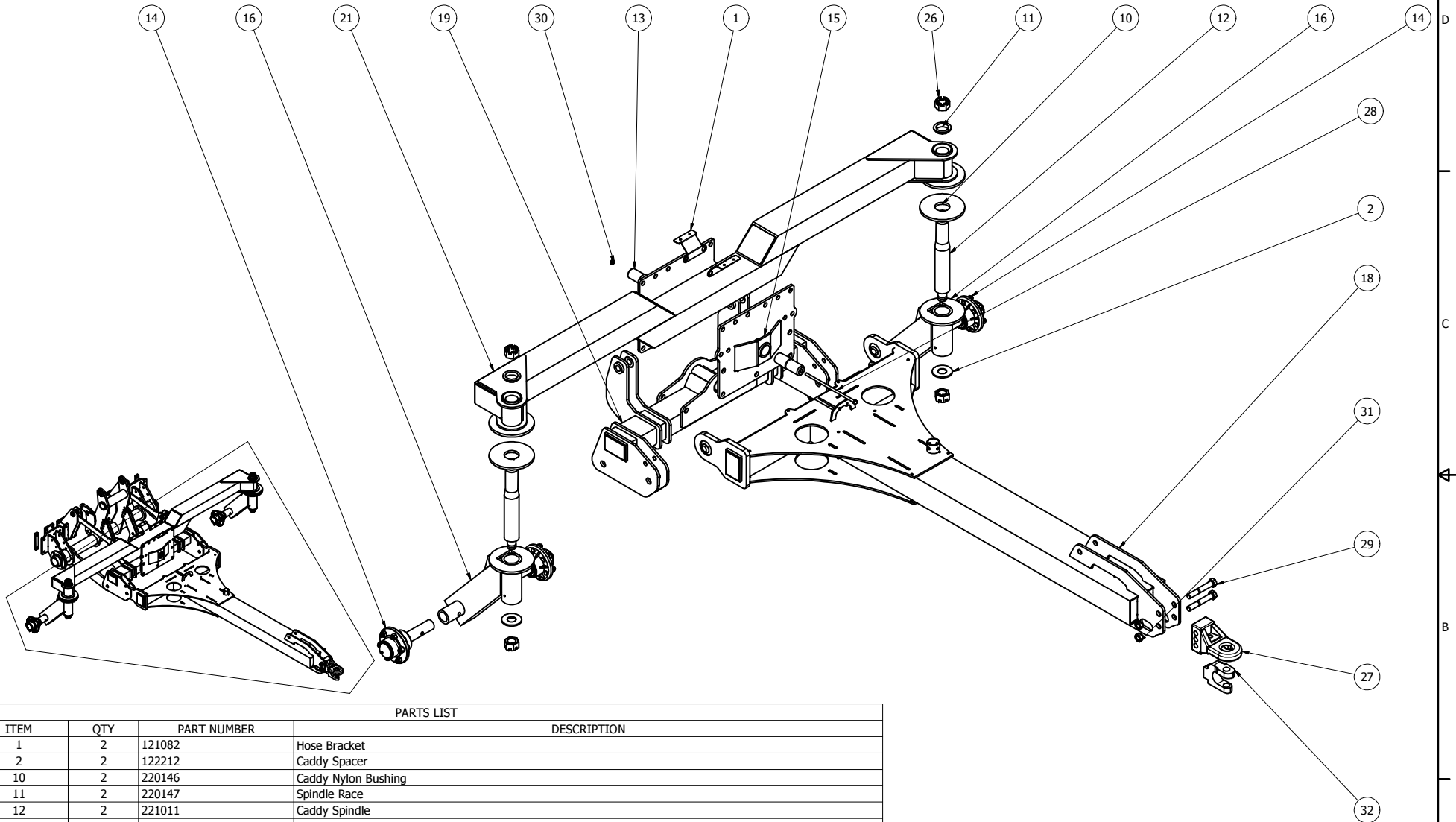
PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	121082	Hose Bracket
2	2	122212	Caddy Spacer
3	4	124080	WING BREAK AWAY PLATE SIDE PLATE
4	4	124085	CAM MOUNT SUPPORT PLATE
5	2	124212	Link Mount back Plate
6	2	126055	CAM SUPPORT ARM BRACKET
7	2	126112	SANDWICH PLATE, SMALL
8	2	126120	SANDWICH PLATE
9	2	127015	WING DEPTH CONTROL BREAK AWAY PLATE
10	2	220146	Caddy Nylon Bushing
11	2	220147	Spindle Race
12	2	221011	Caddy Spindle
13	2	222030	Caddy Pivot Pin
14	4	320100-1	6000LBS ASSEMBLY
15	2	320134-1	CADDY PIVOT
16	2	320139-1	FRONT CADDY WHEEL DOWNARM
17	2	320187	BI FOLD FRONT PIVOT BUSHING
18	1	320237-2	LARGE FLOATING HITCH TONGUE
19	1	320238-2	LARGE FLOATING HITCH CADDY MOUNT
20	1	320239-2	LARGE FLOATING HITCH CAM
21	1	320240-1	LARGE FRONT CADDY
22	2	320392-1	FRONT CADDY TOP LINK
23	1	320414-1	C SHANK BI FOLD CADDY MOUNT, RIGHT
24	1	320415-1	C SHANK BI FOLD CADDY MOUNT, LEFT
25	2	320459-4	CADDY LINK MOUNT
26	4	422155	SLOTTED NUT 1.75 - 12 UNF 1- 1/2
27	1	423028	Cat. 4&5 Hitch Base Clevis
28	1	510158-5	HCS BOLT ½ -13 x 14 Z5
29	2	510370	Hex Cap GR8 1 -8X6 1/2 ZINC
30	1	521014	1/2" - 13 STEEL LOCK NUT
31	2	521025	All Steel GRC L/N 1" PLTD **
32	1	PP1-207V	Clevis Insert



DRAWN wattwood	DATE 02/12/2015			
QA				
MFG		TITLE CADDY/FLOATING HITCH		
CHECKED BY M. Batterink		SIZE C	DWG NO 323020-3	REV
pentaequipment.com				
				SHEET 1 OF 3

FLOATING HITCH/CADDY FRONT VIEW

14



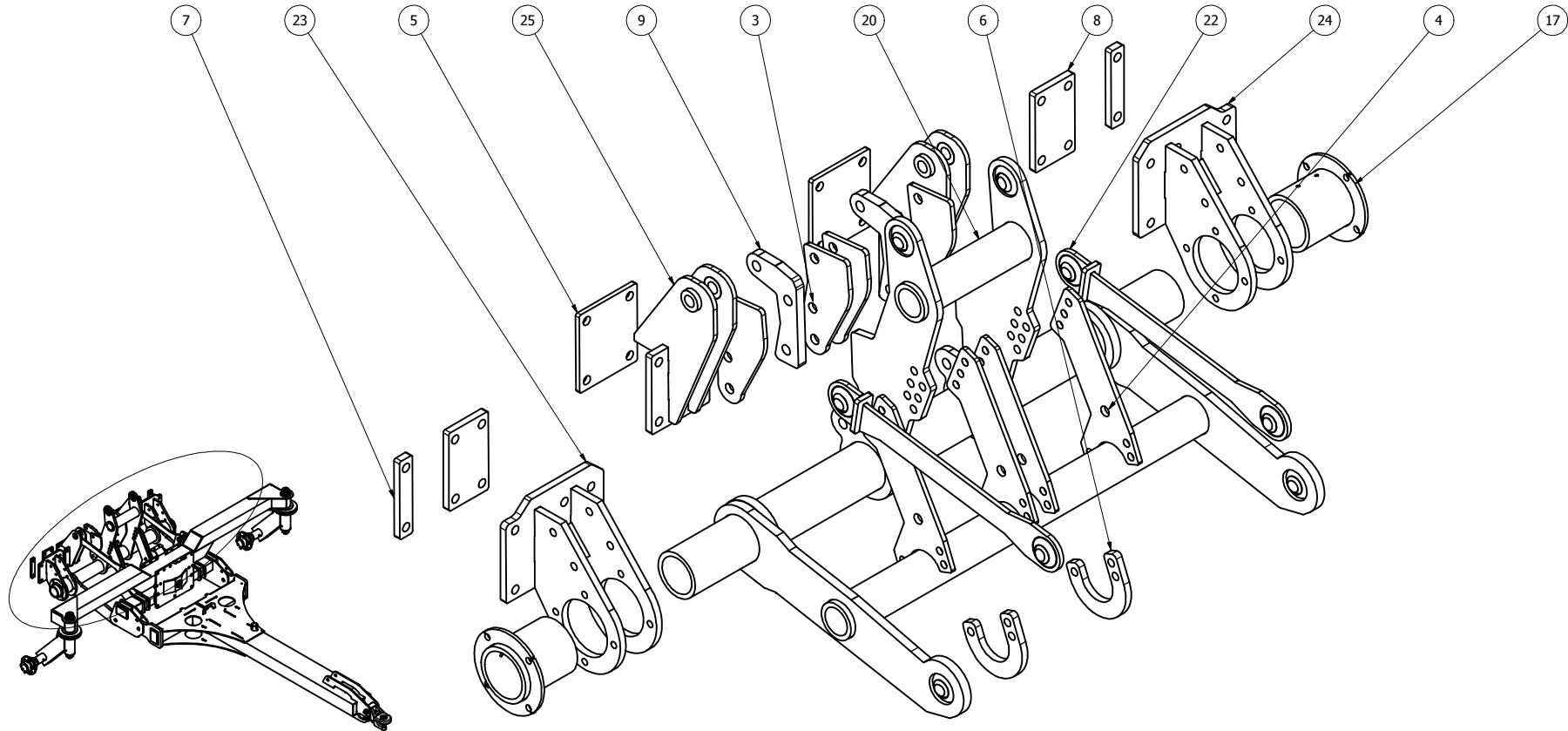
PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	121082	Hose Bracket
2	2	122212	Caddy Spacer
10	2	220146	Caddy Nylon Bushing
11	2	220147	Spindle Race
12	2	221011	Caddy Spindle
13	2	222030	Caddy Pivot Pin
14	4	320100-1	6000LBS ASSEMBLY
15	2	320134-1	CADDY PIVOT
16	2	320139-1	FRONT CADDY WHEEL DOWNARM
18	1	320237-2	LARGE FLOATING HITCH TONGUE
19	1	320238-2	LARGE FLOATING HITCH CADDY MOUNT
21	1	320240-1	LARGE FRONT CADDY
26	4	422155	SLOTTED NUT 1.75 - 12 UNF 1- 1/2
27	1	423028	Cat. 4&5 Hitch Base Clevis
28	1	510158-5	HCS BOLT 1/2 -13 x 14 Z5
29	2	510370	Hex Cap GR8 1 -8X6 1/2 ZINC
30	1	521014	1/2" - 13 STEEL LOCK NUT
31	2	521025	All Steel GRC L/N 1" PLTD **
32	1	PP1-207V	Clevis Insert

DRAWN wattwood	DATE 02/12/2015		
QA			
MFG		TITLE CADDY/FLOATING HITCH	
CHECKED BY M. Batterink		SIZE C	DWG NO 323020-3
pentaequipment.com			REV
		SHEET 2 OF 3	

FLOATING HITCH/CADDY BACK VIEW

15



PARTS LIST

ITEM	QTY	PART NUMBER	DESCRIPTION
3	4	124080	WING BREAK AWAY PLATE SIDE PLATE
4	4	124085	CAM MOUNT SUPPORT PLATE
5	2	124212	Link Mount back Plate
6	2	126055	CAM SUPPORT ARM BRACKET
7	2	126112	SANDWICH PLATE, SMALL
8	2	126120	SANDWICH PLATE
9	2	127015	WING DEPTH CONTROL BREAK AWAY PLATE
17	2	320187	BI FOLD FRONT PIVOT BUSHING
20	1	320239-2	LARGE FLOATING HITCH CAM
22	2	320392-1	FRONT CADDY TOP LINK
23	1	320414-1	C SHANK BI FOLD CADDY MOUNT, RIGHT
24	1	320415-1	C SHANK BI FOLD CADDY MOUNT, LEFT
25	2	320459-4	CADDY LINK MOUNT

DRAWN
wattwood

DATE
02/12/2015

QA

MFG

CHECKED BY
M. Batterink

pentaequipment.com



TITLE CADDY/FLOATING HITCH

SIZE
C

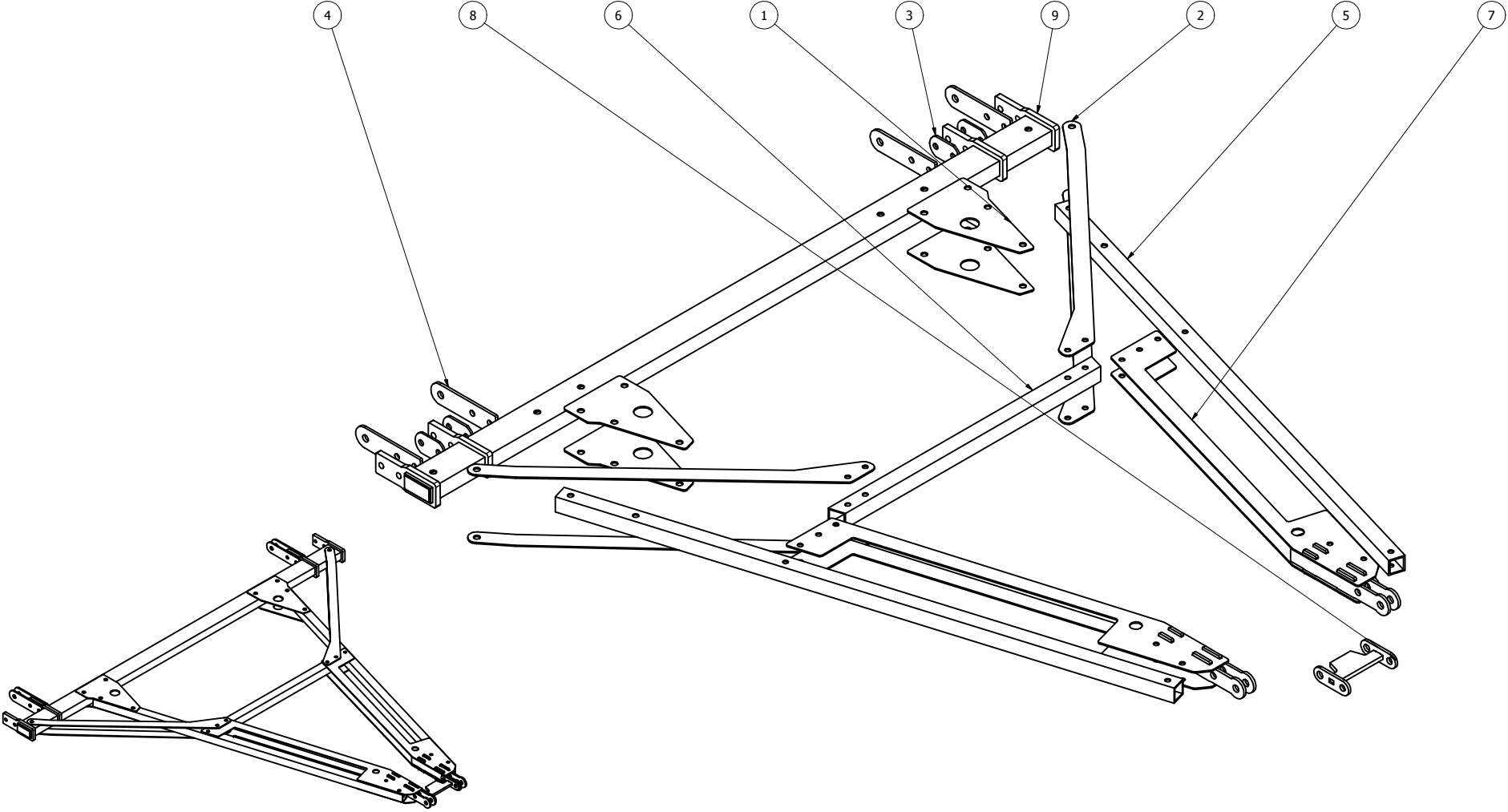
DWG NO
323020-3

REV

SHEET 3 OF 3

A FRAME 38'-50' S-TINE

16

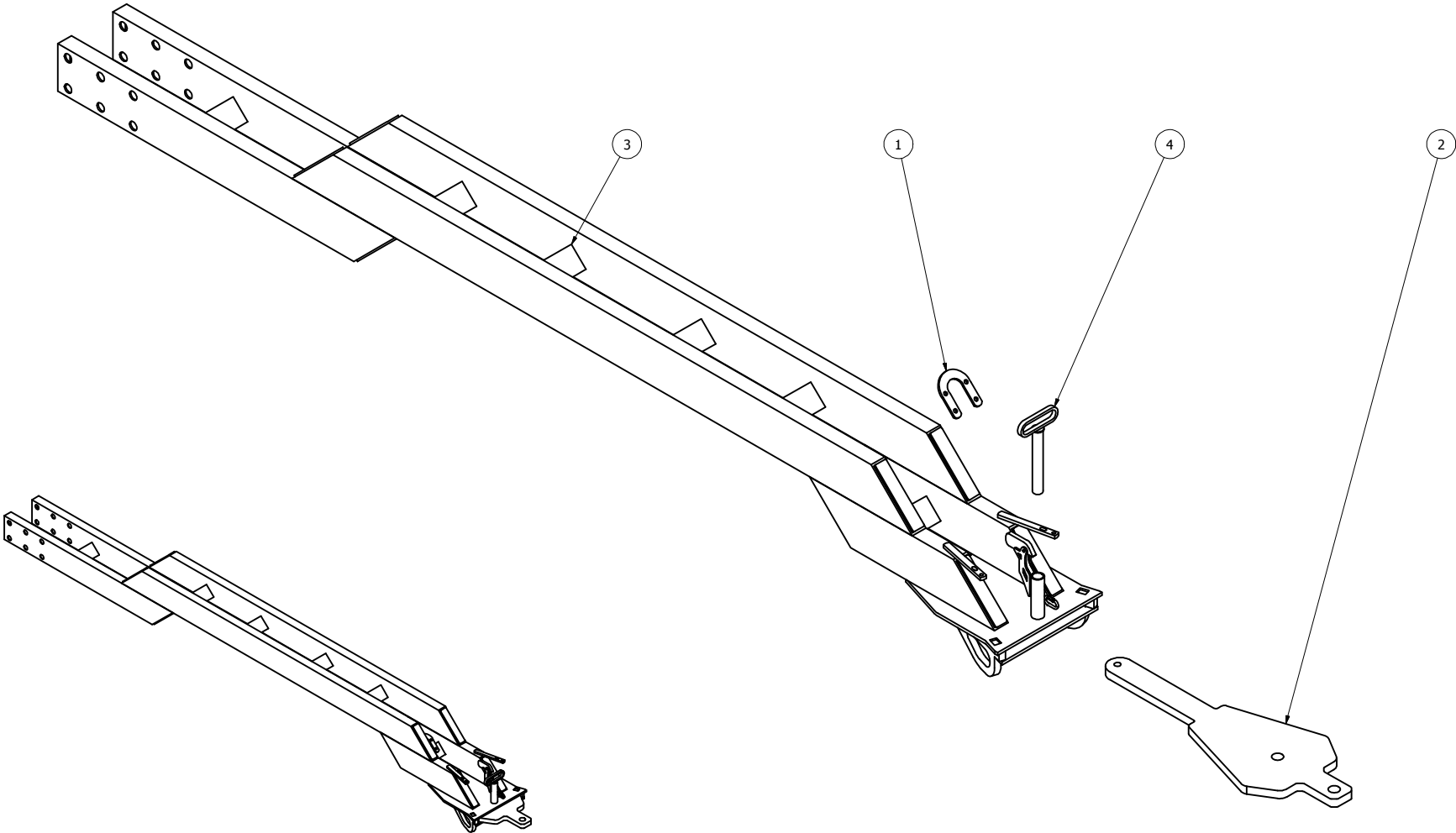


VIEW2
SCALE 0.04

PARTS LIST				DRAWN	DATE				
ITEM	QTY	PART NUMBER	DESCRIPTION	wattwood	23/11/2015				
1	4	122103	A FRAME REAR TUBING JOINT PLATE						
2	4	122108	A FRAME, LARGE, REAR BRACE	QA		TITLE GENERIC S-TINE A FRAME			
3	4	123213	A FRAME SPACER PLATE						
4	4	124093	A FRAME REAR BRACKET						
5	2	224333	A FRAME SIDE TUBE	MFG		SIZE C DWG NO REV			
6	1	224334	A FRAME MIDDLE TUBE	CHECKED BY					
7	2	320136	A FRAME FRONT ARM	M. Batterink					
8	1	320140-1	TRANSPORTATION LOCK	pentaequipment.com		STINE BIFOLD A FRAME			
9	1	320146	A FRAME, LARGE, REAR TUBE						
						SHEET 1 OF 1			

REAR HITCH, STANDARD

17



PARTS LIST			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	122172	LIGHT KIT HOLDER
2	1	127002	REAR HITCH
3	1	320243-1	REAR HITCH. STANDARD
4	1	423060	REAR HITCH DRAWBAR

DRAWN wattwood	DATE 19/11/2015	 TITLE REAR HITCH, STANDARD		
QA				
MFG				
CHECKED BY M. Batterink		SIZE C	DWG NO 930001	REV
pentaequipment.com				
			SHEET 1 OF 1	

TIRES / HYDRAULICS / ELECTRICAL

Tires	
#422013	26 x 12 - 12 Tire & Rim Assembly
#422014	26 x 12 Tire
#422015-1	26 x 12 Rim
#422111	9.5 15 12 Ply Tire & Rim Assembly
#422115	9.5 - 15 12 Ply TL Stubble Proof Tire
#422125	9.5 - 15 Rim
#422110	11L - 15 Stubble Proof Tire & Rim Assembly
#422120	11L - 15 12 Ply Stubble Proof Tire
#422130	11L - 15 Rim
#422109	12.5 x 16.5 Ply Tire & Rim Assembly
#422122	12.5L - 16.5 14 Ply Stubble Proof Tire
#422135	12.5-16.5 Rim
#422153	380/55 R Goodyear Tire & Rim Assembly
#422157	380/55R16.5 150A8/B FS Goodyear Tire
#422126	380/55R16.5 Rim
Hydraulics	
#420001	12" x 5.00" Hydraulic Rephase Cylinder
#420002	12" x 4.75" Hydraulic Rephase Cylinder
#420003	12" x 4.50" Hydraulic Rephase Cylinder
#420022	30" x 4.50" Cylinder
Electrical	
#410012	Red Light (Oval Stop/Turn/Tail)
#410013	Yellow Light (Oval Stop/Turn/Tail)
#410014	6" Oval Black Grommet for Tail Lights
#410020	Wiring Harness for Cultivator 26'
#410022	Wiring Harness For Cultivator W/Rear Socket 26'
#410023	Wiring Harness For Cultivator W/Rear Socket 29'



Penta Tillage Inc.

73 Main Street Box 760

Glencoe, Ontario, Canada, N0L-1M0

PARTS: 855-972-7878

FAX: 519-882-3343