



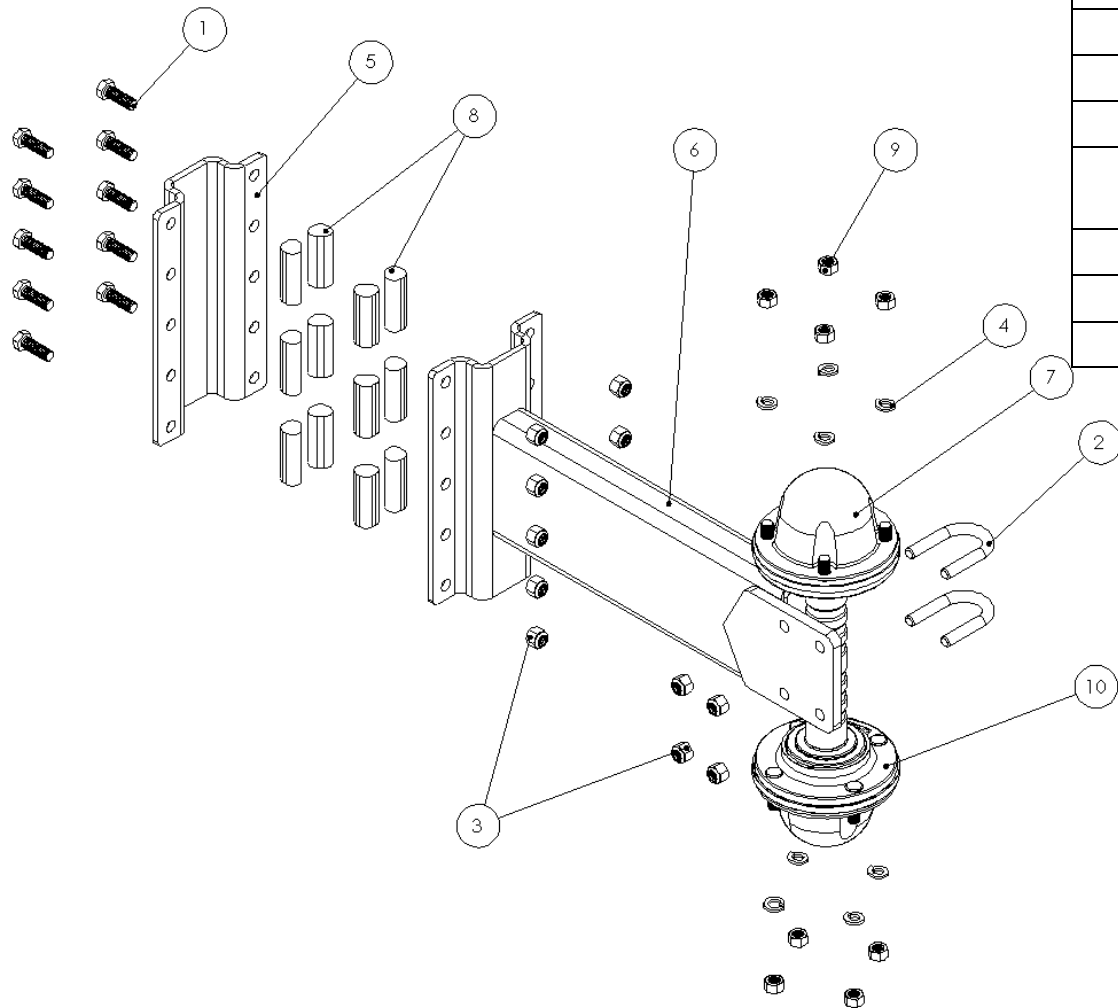
Series I Coulter Disk



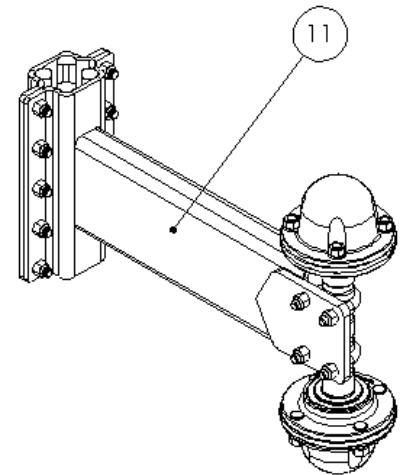
Parts Book

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120088	Bolt 1/2-13 x 1-1/2 GR8 PLTD	8
2	120123	Round Bend U-Bolt 3.00 x 1.625 GR8	2
3	120137	Nut Nylock 1/2-13 GR5 PLTD	14
4	120155	Washer Split Lock 1/2 Alloy PLTD	8
5	120216	Clamp Coulter Arm 12"	1
6	122189	Weldment, CLTR Arm, DBL	1
7	123629	Hardhat CLTR Hub	2
8	125050	Torsion Rod .92 x 2-21/32 Round Polyurethane Shore A9	12
9	125063	Nut 1/2-20 GR5 PLTD	8
10	126861	Eldale DBL End CLTR Spindle ASM	1
11	120363	Double CLTR Arm ASM	1



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UNLESS OTHERWISE SPECIFIED:		SCALE: 1:12	NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN		
TOLERANCES:		CHECKED		
FRACTIONAL $\pm 1/8$		ENG APPR.		
ANGULAR: MACH ± 2		MFG APPR.		
BEND ± 2		G.A.		
TWO PLACE DECIMAL $\pm .01$		COMMENTS:		
THREE PLACE DECIMAL $\pm .005$				
THIRD ANGLE				
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION				
DO NOT SCALE DRAWING				

GATES
MANUFACTURING

DESCRIPTION:

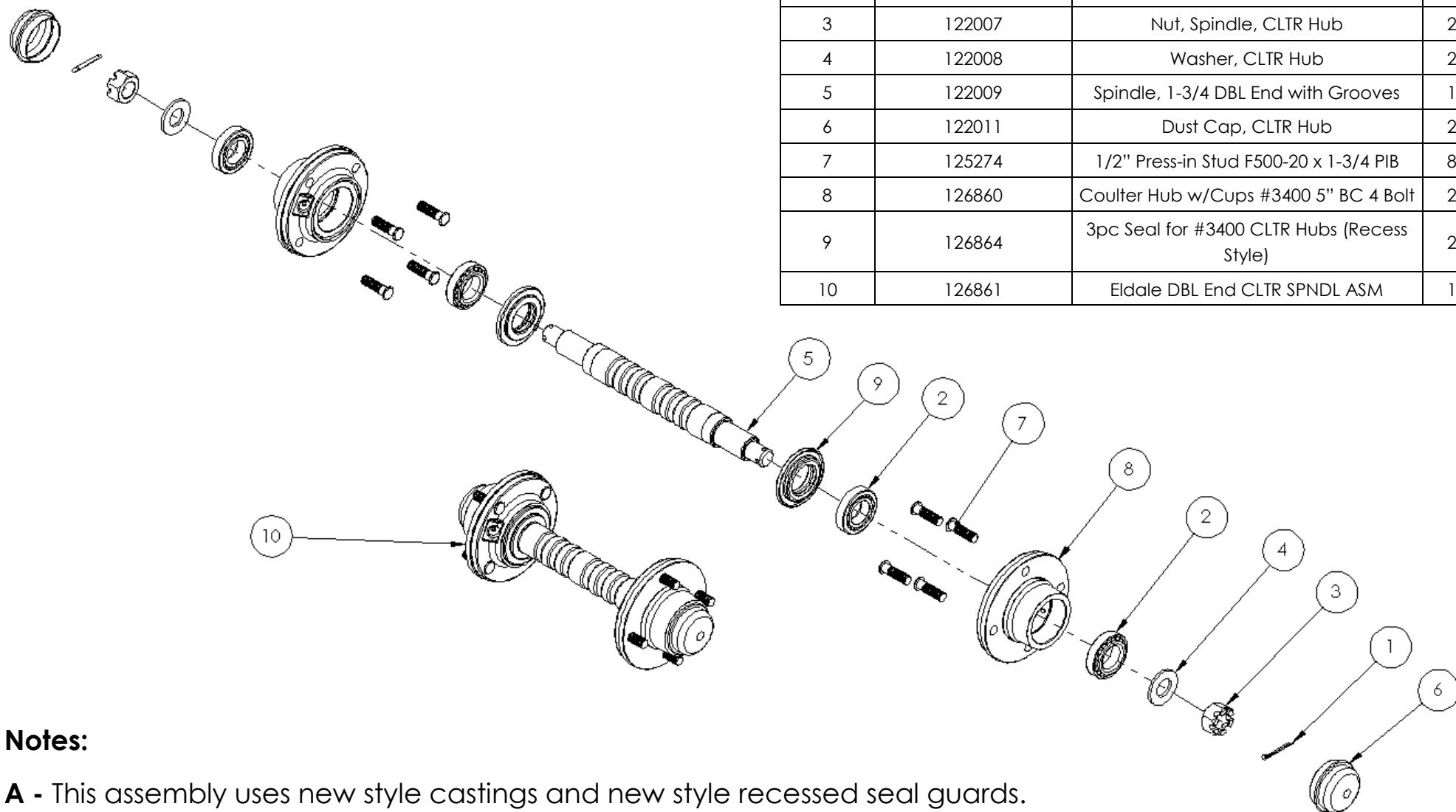
Double CLTR Arm ASM

SIZE PART NUMBER: REV

B 120363

WEIGHT:

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	121807	Cotter Pin, 3/16 x 1-12	2
2	122005-122006	LM48548-LM48510	4
3	122007	Nut, Spindle, CLTR Hub	2
4	122008	Washer, CLTR Hub	2
5	122009	Spindle, 1-3/4 DBL End with Grooves	1
6	122011	Dust Cap, CLTR Hub	2
7	125274	1/2" Press-in Stud F500-20 x 1-3/4 PIB	8
8	126860	Coulter Hub w/Cups #3400 5" BC 4 Bolt	2
9	126864	3pc Seal for #3400 CLTR Hubs (Recess Style)	2
10	126861	Eldale DBL End CLTR SPNDL ASM	1

Notes:

A - This assembly uses new style castings and new style recessed seal guards.

B - This is a replacement assembly for 121453.
Verify hub style before ordering parts.

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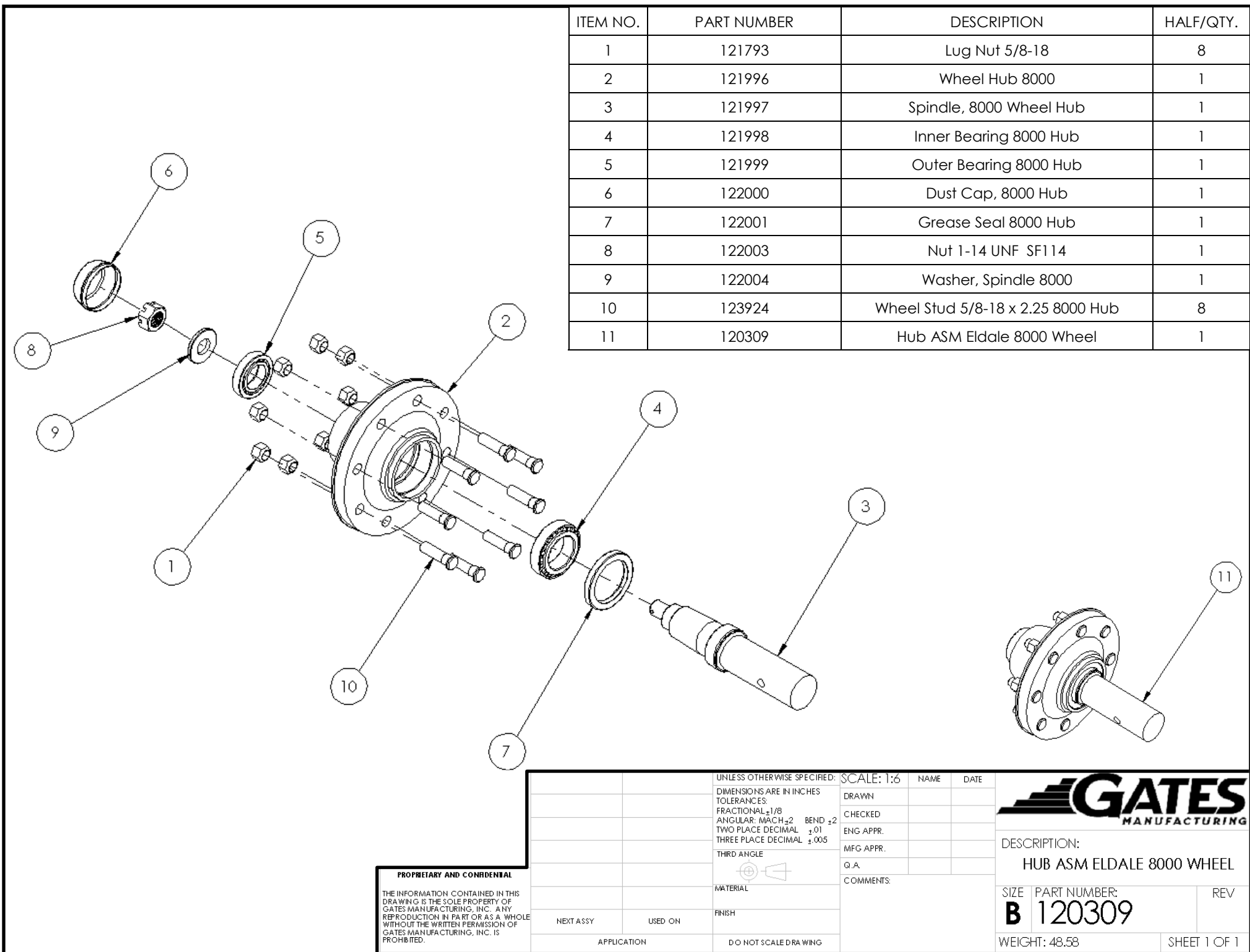
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TOLERANCES:		CHECKED		
FRACTIONAL $\pm 1/8$		ENG APPR.		
ANGULAR: MACH ± 2		MFG APPR.		
TWO PLACE DECIMAL $\pm .01$		Q.A.		
THREE PLACE DECIMAL $\pm .005$		COMMENTS:		
THIRD ANGLE				
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

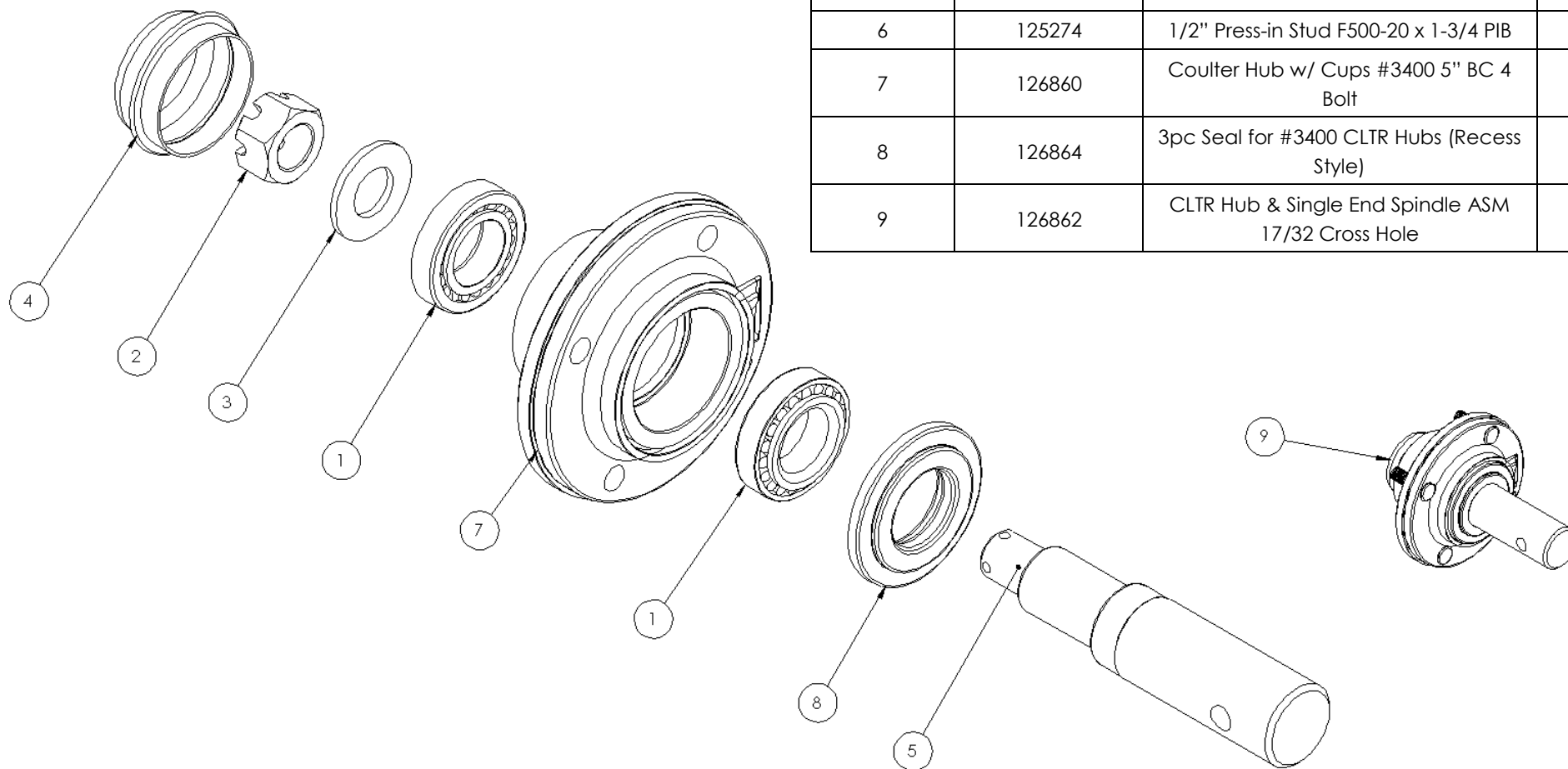


DESCRIPTION:
ELDALE DBL END CLTR SPNDL ASM

SIZE	PART NUMBER:	REV
B	126861	A-14

WEIGHT: 26.481 SHEET 1 OF 1





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	122005-122006	LM48548-LM48510	2
2	122007	Nut, Spindle, CLTR Hub	1
3	122008	Washer, CLTR Hub	1
4	122011	Dust Cap, CLTR Hub	1
5	124751	Spindle #3400 Single-ended w/ 17/32 Hole	1
6	125274	1/2" Press-in Stud F500-20 x 1-3/4 PIB	4
7	126860	Coulter Hub w/ Cups #3400 5" BC 4 Bolt	1
8	126864	3pc Seal for #3400 CLTR Hubs (Recess Style)	1
9	126862	CLTR Hub & Single End Spindle ASM 17/32 Cross Hole	1

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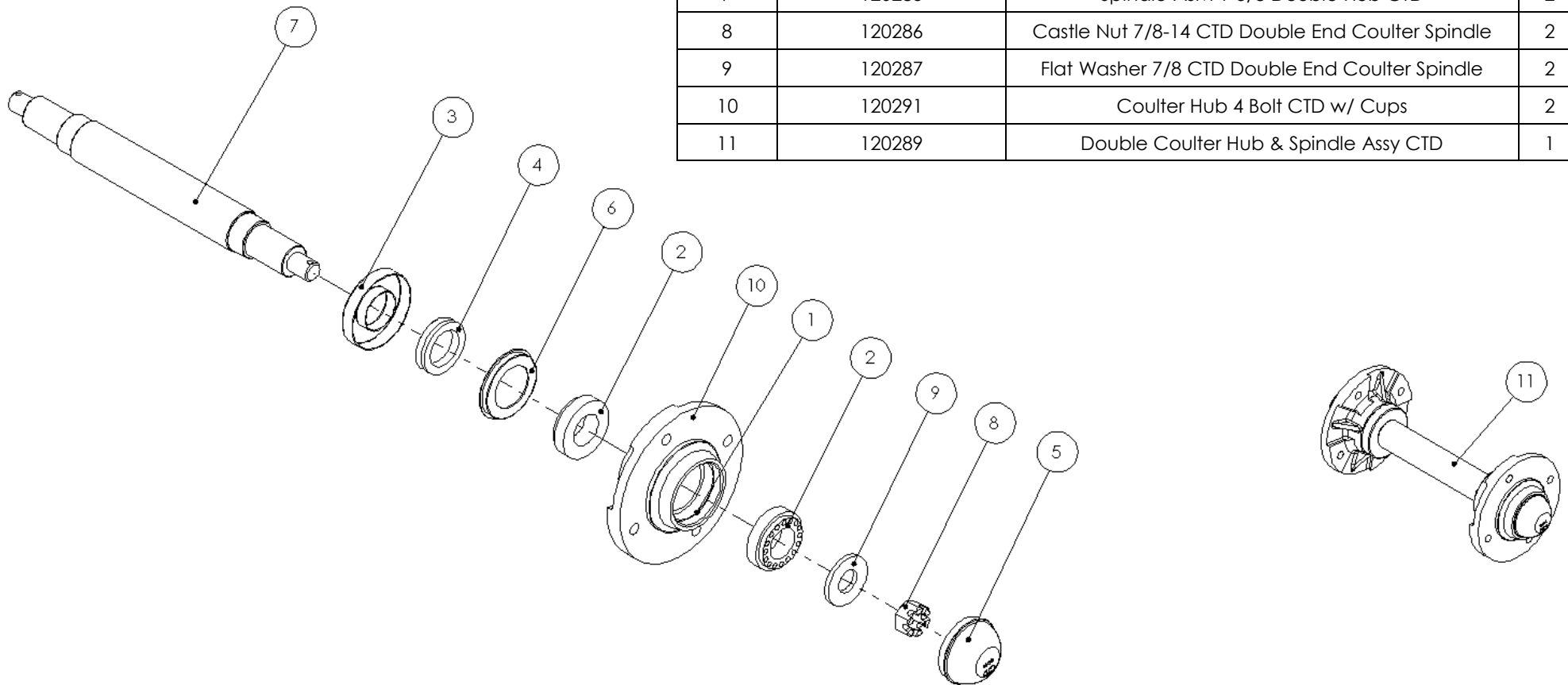
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		DRAWN	SCOTT	10/15/2012
MATERIAL FINISH	CHECKED			
	ENG APPR.			
	MFG APPR.			
	Q.A.			
	COMMENTS:			
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

DESCRIPTION:
CLTR HUB & SINGLE END SPINDLE
ASM 17/32 CROSS HOLE

SIZE	PART NUMBER:	REV
B	126862	A-02

WEIGHT: 13.250

SHEET 1 OF 1



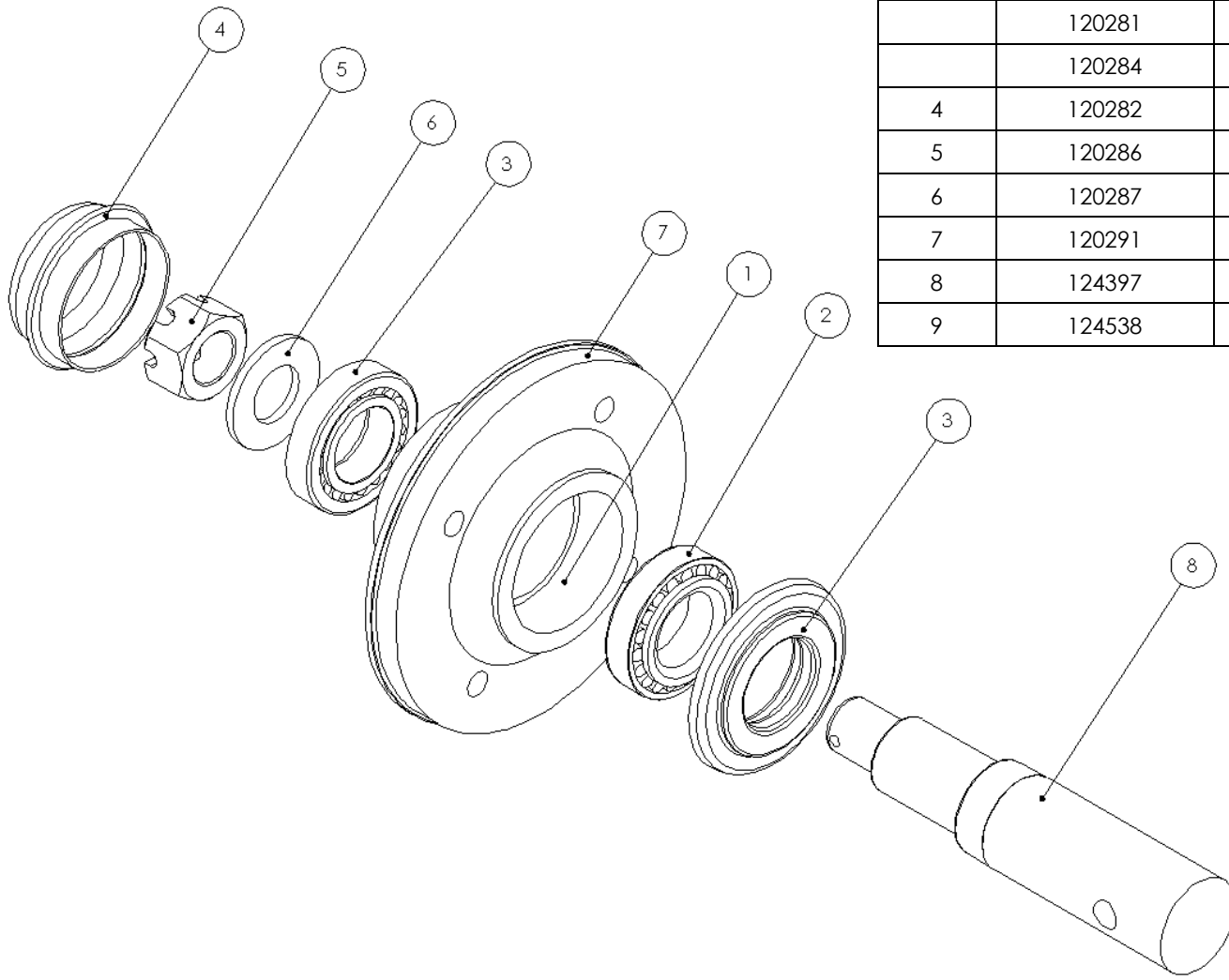
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120263	Race 1.25 Tapered Roller Cup LM67010	4
2	120279	Bearing 1.25 Tapered Roller Cone LM67048	4
3	120280	Seal Retainer Black CTD	2
4	120281	Rubber V-Seal CTD	2
5	120282	Dust Cap 4 Bolt CTD Coulter Hub	2
6	120284	Seal Counterface Plated CTD	2
7	120285	Spindle ASM 1-5/8 Double Hub CTD	2
8	120286	Castle Nut 7/8-14 CTD Double End Coulter Spindle	2
9	120287	Flat Washer 7/8 CTD Double End Coulter Spindle	2
10	120291	Coulter Hub 4 Bolt CTD w/ Cups	2
11	120289	Double Coulter Hub & Spindle Assy CTD	1

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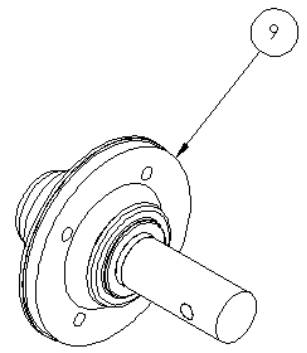
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		DRAWN		
NEXT ASSY	USED ON	CHECKED		
		ENG APPR.		
APPLICATION	D O NOT SCALE DRAWING	MFG APPR.		
		Q.A.		
		COMMENTS:		

DESCRIPTION: Hub ASM Double Spindle		
SIZE B	PART NUMBER: 120289	REV
WEIGHT:		SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120263	Race 1.25 Tapered Roller Cup LM67010	2
2	120279	Bearing 1.25 Tapered Roller Cone LM67048	2
3	120280	Seal Retainer Black CTD	1
	120281	Rubber V-Seal CTD	1
	120284	Seal Couterface Plated CTD	1
4	120282	Dust Cap 4 Bolt CTD Coulter Hub	1
5	120286	Castle Nut 7/8-14 CTD Double End Coulter Spindle	1
6	120287	Flat Washer 7/8 CTD Double End Coulter Spindle	1
7	120291	Coulter Hub 4 Bolt CTD w/ Cups	1
8	124397	Spindle ASM 1/5-8 Single CTD	1
9	124538	Single Hub & Spindle CTD ASM	1



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DESCRIPTION:
Single Hub & Spindle CTD ASM

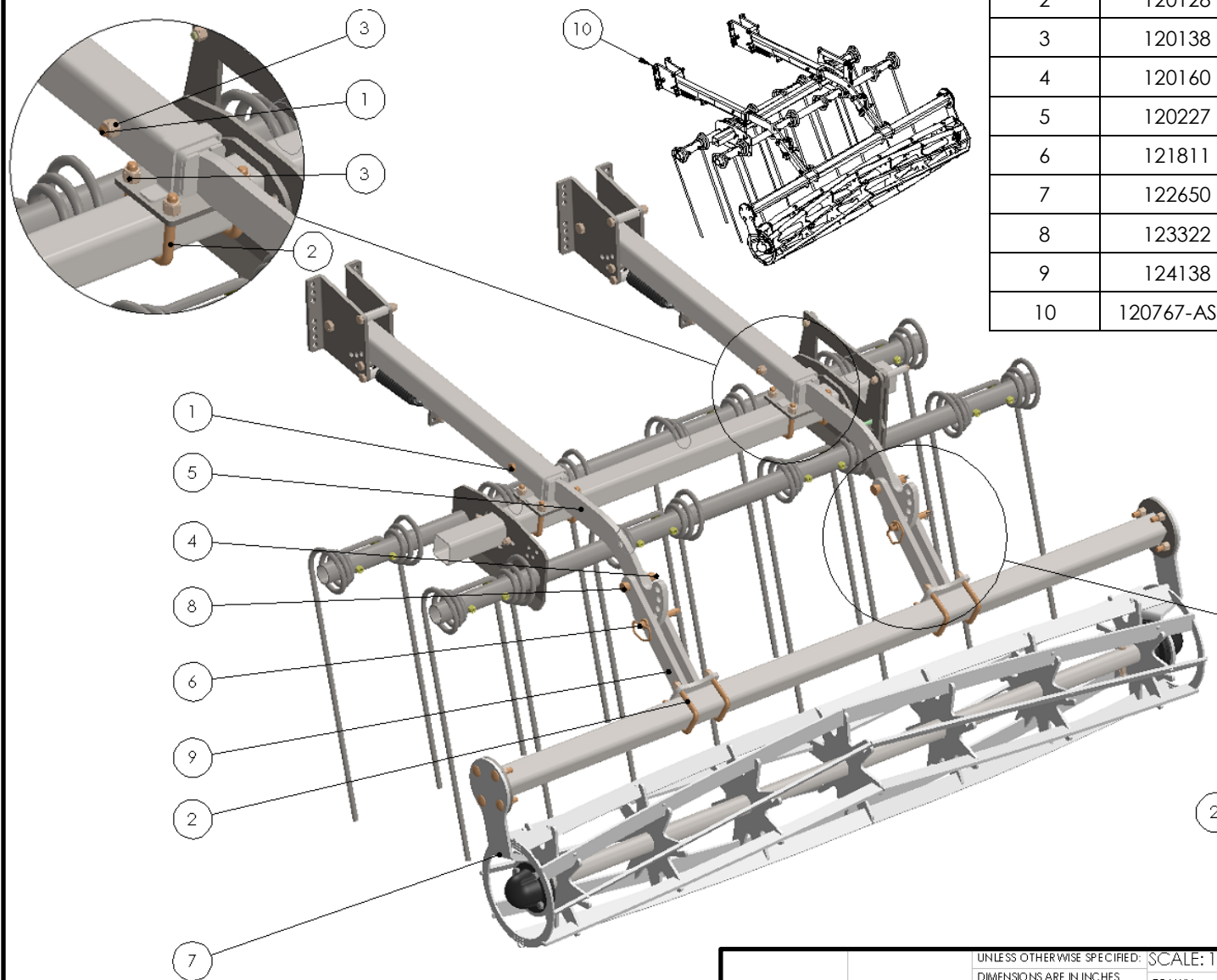
SIZE
B

PART NUMBER:
124538

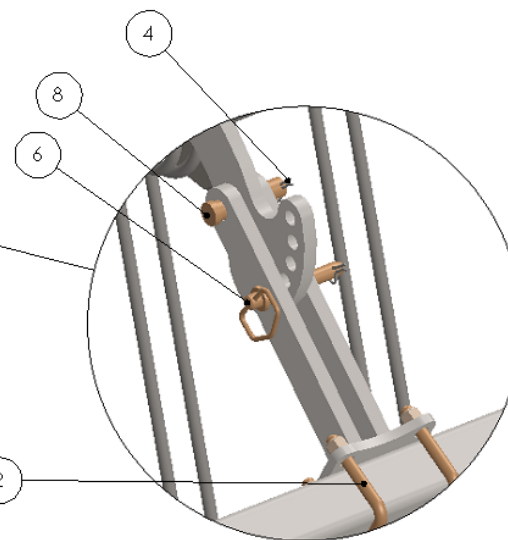
REV

WEIGHT: 8.948

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120101	Bolt 5/8-11 x 4 GR8 Y2	2
2	120128	U-Bolt 5/8-11 x 3 x 4-1/2 SQR Bend PLTD	8
3	120138	Nut Nylock 5/8-11 GR5 PLTD	18
4	120160	Pin Hair Pin Clip #16	4
5	120227	RLING BSKT ADJ Plate 2 Bar Arm Insert	2
6	121811	Hitch Pin 3/4 x 4-3/4 Usable	2
7	122650	ASM 8' Rolling Basket Flat Bar	1
8	123322	Clevis Pin 1 x 3.5	2
9	124138	Rolling Basket Adjustment Mount	2
10	120767-ASM	Basket Install w/ 2 Bar Harrows	1



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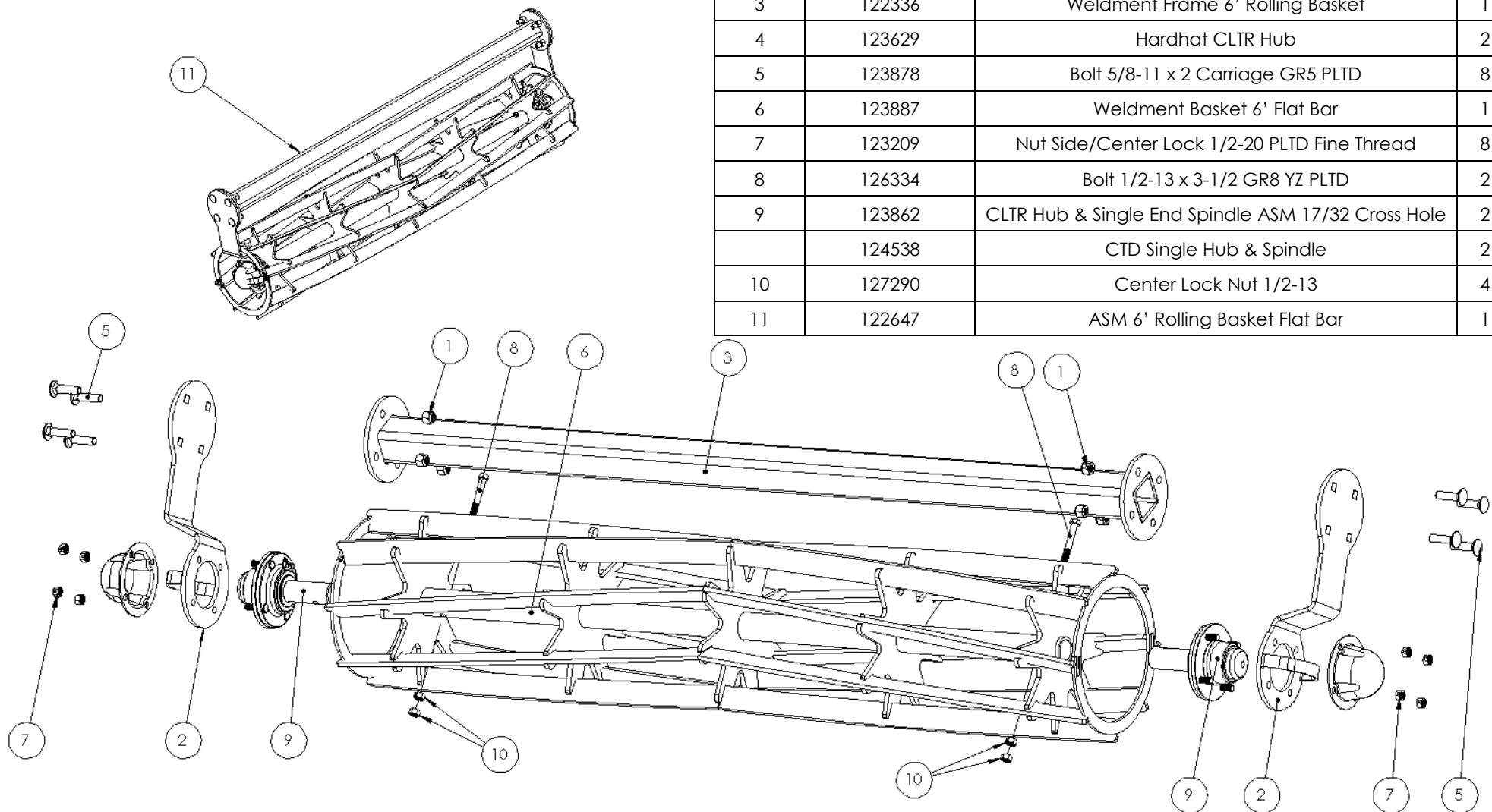
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TOLERANCES:		CHECKED		
FRACTIONAL $\pm 1/8$		ENG APPR.		
ANGULAR: MACH ± 2		MFG APPR.		
BEND ± 2		Q.A.		
TWO PLACE DECIMAL ± 0.01		COMMENTS:		
THREE PLACE DECIMAL ± 0.005				
THIRD ANGLE				
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION				
D O NOT SCALE DRAWING				



DESCRIPTION:
Basket Install W/ 2 Bar Harrows

SIZE	PART NUMBER:	REV
B	120767-ASM	
WEIGHT:	SHEET 1 OF 1	

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120138	Nut Nylock 5/8-11 GR5 PLTD	8
2	121413	FLCUT Side Plate Rolling Basket	2
3	122336	Weldment Frame 6' Rolling Basket	1
4	123629	Hardhat CLTR Hub	2
5	123878	Bolt 5/8-11 x 2 Carriage GR5 PLTD	8
6	123887	Weldment Basket 6' Flat Bar	1
7	123209	Nut Side/Center Lock 1/2-20 PLTD Fine Thread	8
8	126334	Bolt 1/2-13 x 3-1/2 GR8 YZ PLTD	2
9	123862	CLTR Hub & Single End Spindle ASM 17/32 Cross Hole	2
	124538	CTD Single Hub & Spindle	2
10	127290	Center Lock Nut 1/2-13	4
11	122647	ASM 6' Rolling Basket Flat Bar	1

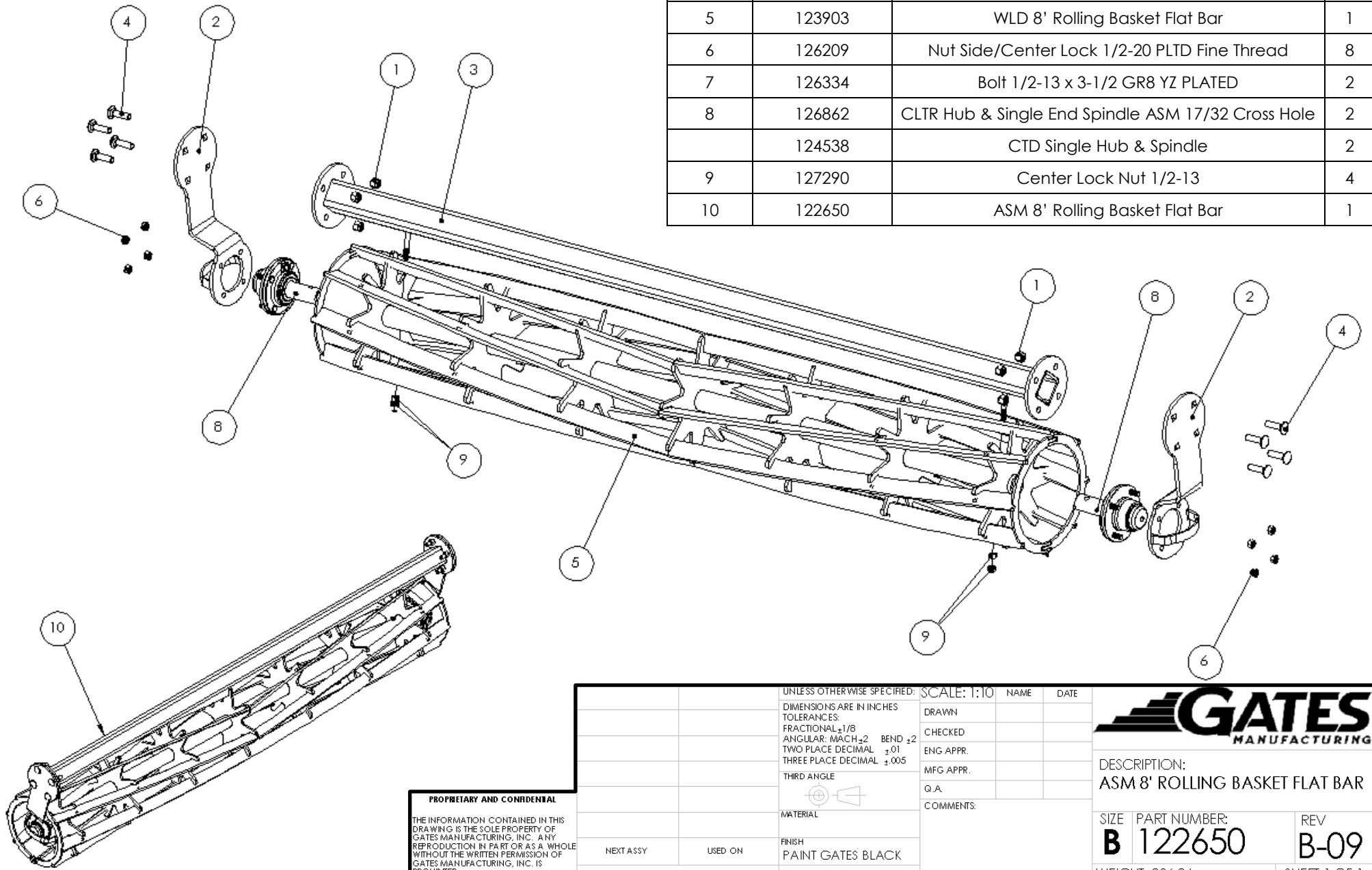


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		DRAWN		
MATERIAL FINISH Paint Gates Black	CHECKED			
	ENG APPR.			
	MFG APPR.			
	Q.A.			
COMMENTS:		GATES MANUFACTURING		
DESCRIPTION: ASM 6' ROLLING BASKET FLAT BAR		SIZE	PART NUMBER:	REV
		B	122647	B-13
APPLICATION		WEIGHT: 306.19		SHEET 1 OF 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120138	Nut Nylock 5/8-11 GR5 PLTD	8
2	121413	FLCUT Side Plate Rolling Basket	2
3	122339	Weldment Frame 8' Rolling Basket	1
4	123878	Bolt 5/8-11 x 2 Carriage GR5 PLTD	8
5	123903	WLD 8' Rolling Basket Flat Bar	1
6	126209	Nut Side/Center Lock 1/2-20 PLTD Fine Thread	8
7	126334	Bolt 1/2-13 x 3-1/2 GR8 YZ PLATED	2
8	126862	CLTR Hub & Single End Spindle ASM 17/32 Cross Hole	2
	124538	CTD Single Hub & Spindle	2
9	127290	Center Lock Nut 1/2-13	4
10	122650	ASM 8' Rolling Basket Flat Bar	1



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		MATERIAL FINISH PAINT GATES BLACK D O NOT SCALE DRAWING		COMMENTS:

DESCRIPTION:
ASM 8' ROLLING BASKET FLAT BAR

SIZE

B

WEIGHT: 386.94

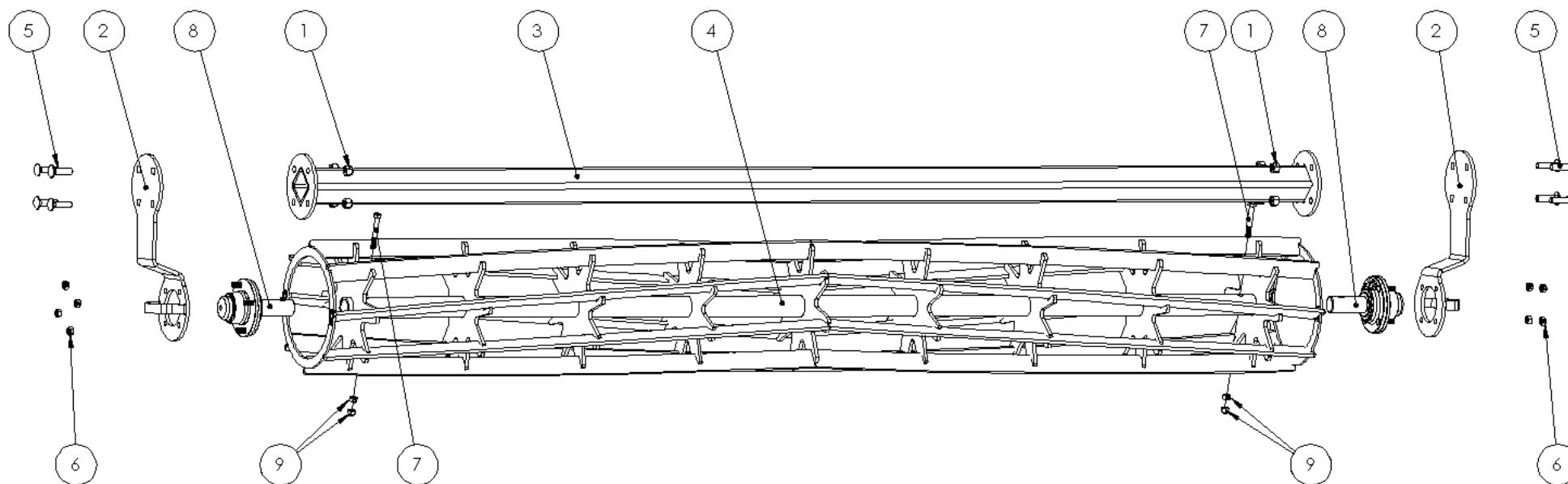
PART NUMBER:

122650

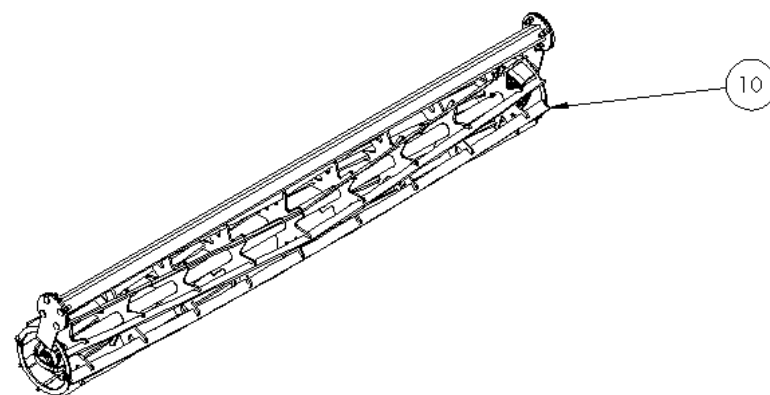
REV

B-09

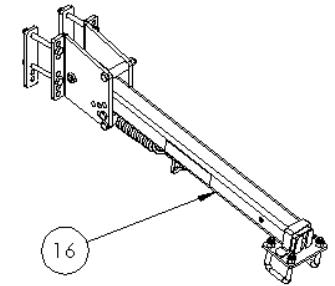
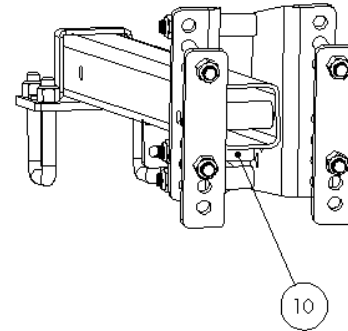
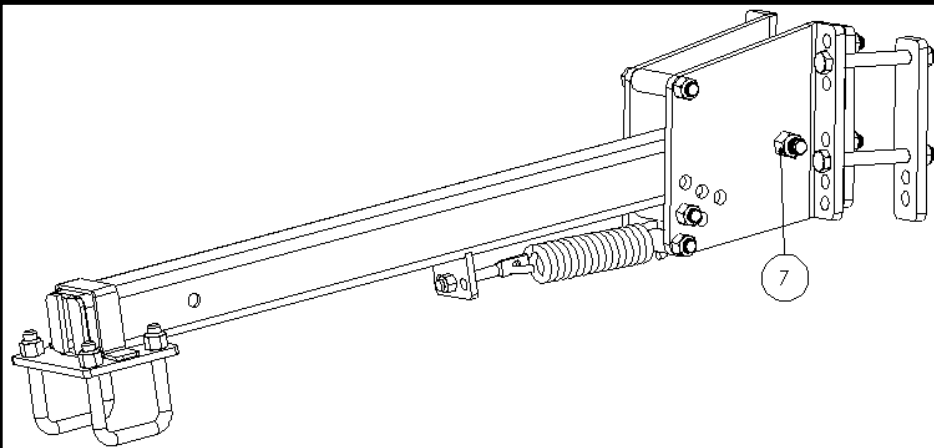
SHEET 1 OF 1



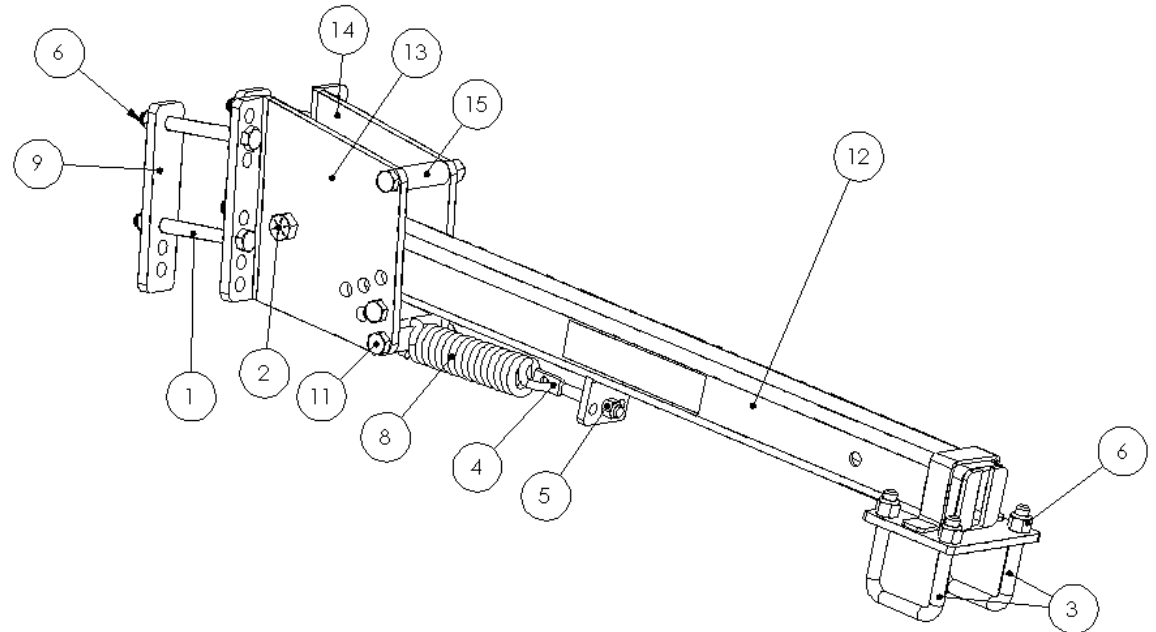
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120138	Nut Nylock 5/8-11 GR5 PLTD	8
2	121413	FLCUT Side Plate Rolling Basket	2
3	122334	Weldment Frame 10' Rolling Basket	1
4	122643	WLD 10' Rolling Basket Flat Bar	1
5	123878	Bolt 5/8-11 x 2 Carriage GR5 PLTD	8
6	126209	Nut Side/Center Lock 1/2-20 PLTD Fine Thread	8
7	126334	Bolt 1/2-13 x 3-1/2 GR8 YZ PLTD	2
8	126862	CLTR Hub & Single End Spindle ASM 17/32 Cross Hole	2
	124538	CTD Single Hub & Spindle	2
9	127290	Center Lock Nut 1/2-13	4
10	122644	ASM 10' Rolling Basket Flat Bar	1



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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/8 ANGULAR: MACH ±2 BEND ±2 TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005		DRAWN		Scott		1/22/2013	
		THIRD ANGLE		CHECKED					
				ENG APPR.					
				MFG APPR.					
				Q.A.					
		MATERIAL		COMMENTS:					
NEXT ASSY		USED ON		FINISH PAINT GATES BLACK					
APPLICATION		DO NOT SCALE DRAWING							
									
DESCRIPTION:									
ASM 10' ROLLING BASKET FLAT BAR									
SIZE		PART NUMBER:						REV	
B		122644							
WEIGHT: 472.22								SHEET 1 OF 1	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120103	Bolt 5/8-11 x 6 GR8 PLTD	4
2	120113	Bolt 3/4-10 x 5 GR5 PLTD	1
3	120128	U-Bolt 5/8-11 x 3 x 4-1/2 SQR Bend PLTD	2
4	120129	Spade Bolt 1/2-13 x 4-3/4 PLTD	1
5	120137	Nut Nylock 1/2-13 GR5 PLTD	1
6	120138	Nut Nylock 5/8-11 GR5 PLTD	8
7	120140	Nut Nylock 3/4-10 GR5 PLTD	1
8	120236	Tension Spring 3/8 x 9 90Deg Ends MTD Arms	1
9	120324	Backing Plate 4,5,6	2
10	120357	Spacer 3/4 Sch80 x 2.930L	1
11	121132	Bolt 5/8-11 x 5 GR5 PLTD	3
12	123208	MTD Arm ASM 40", 4,5,6 Frame Bracket	1
13	123271	Frame Bracket 4,5,6 MTD Left, 5/8 Hole Pattern 1/2	1
14	123272	Frame Bracket 4,5,6 MTD Right, 5/8 Hole Pattern 1/2	1
15	124395	Spacer 3/4 Sch80 x 3.125L	2
16	120382	Mounted Arm 40" 4,5,6 with 4" Tube Mounted Hardware	1



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NEXT ASSY

USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/8$
ANGULAR: MACH ± 2 BEND ± 2
TWO PLACE DECIMAL $\pm .01$
THREE PLACE DECIMAL $\pm .005$

THIRD ANGLE



MATERIAL

FINISH

D O NOT SCALE DRAWING

SCALE: 1:6

NAME

DATE

DRAWN

Briffa

1-21-2015

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:



DESCRIPTION:
Mounted Arm 40" 4,5,6 with 4"
Tube Mounting Hardware

SIZE

PART NUMBER:

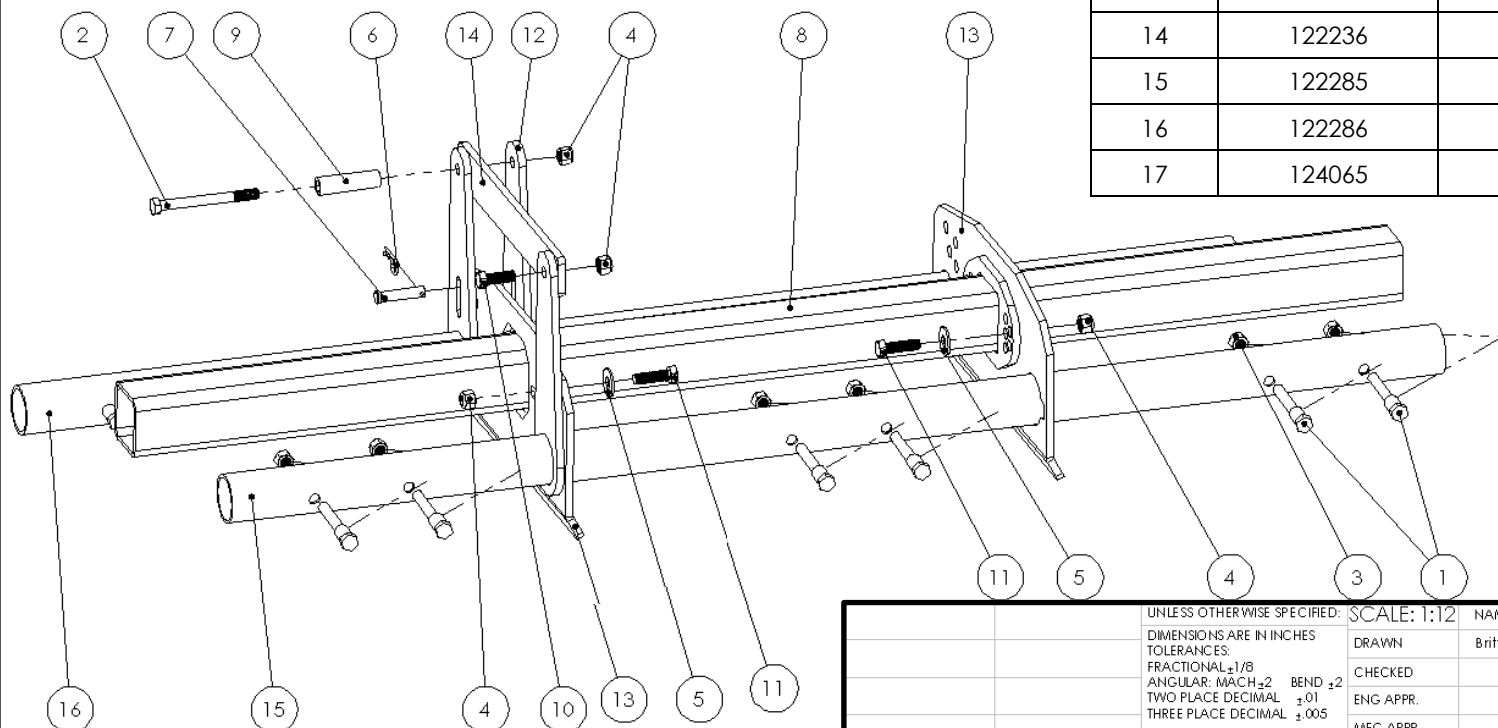
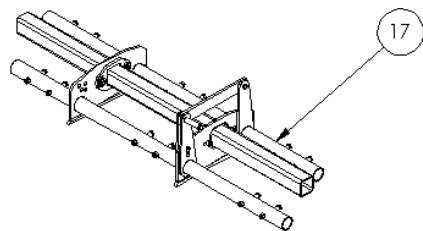
REV

B

120382

WEIGHT: 65.86

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120094	1/2" x 3.75" Shoulder Bolt	12
2	120097	Bolt 1/2-13 x 5 GR5 PLTD	1
3	120136	Nut Nylock 1/2-13 GR5 Yellow PLTD	12
4	120137	Nut Nylock 1/2-13 GR5 PLTD	6
5	120150	Washer Flat 1/2" PLTD	4
6	120160	Pin Hair Pin Clip #16	1
7	120164	Pin Clevis 1/2 x 2 PLTD	1
8	120381	Crosspiece H Frame 6' MTD	1
9	120387	Adjustment Spacer	1
10	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	1
11	121092	Bolt 1/2-13 x 1-3/4 GR5 PLTD	4
12	121873	Ear Harrow Pipe Slotted	1
13	121899	MTD Section Frame 2 Bar	2
14	122236	Linkage Bar MTD 2 Bar 15"	1
15	122285	Harrow Pipe, MTD 6' Bar #1	1
16	122286	Harrow Pipe, MTD 6' Bar #2	1
17	124065	2 Bar Mounted Frame Assy 6'	1

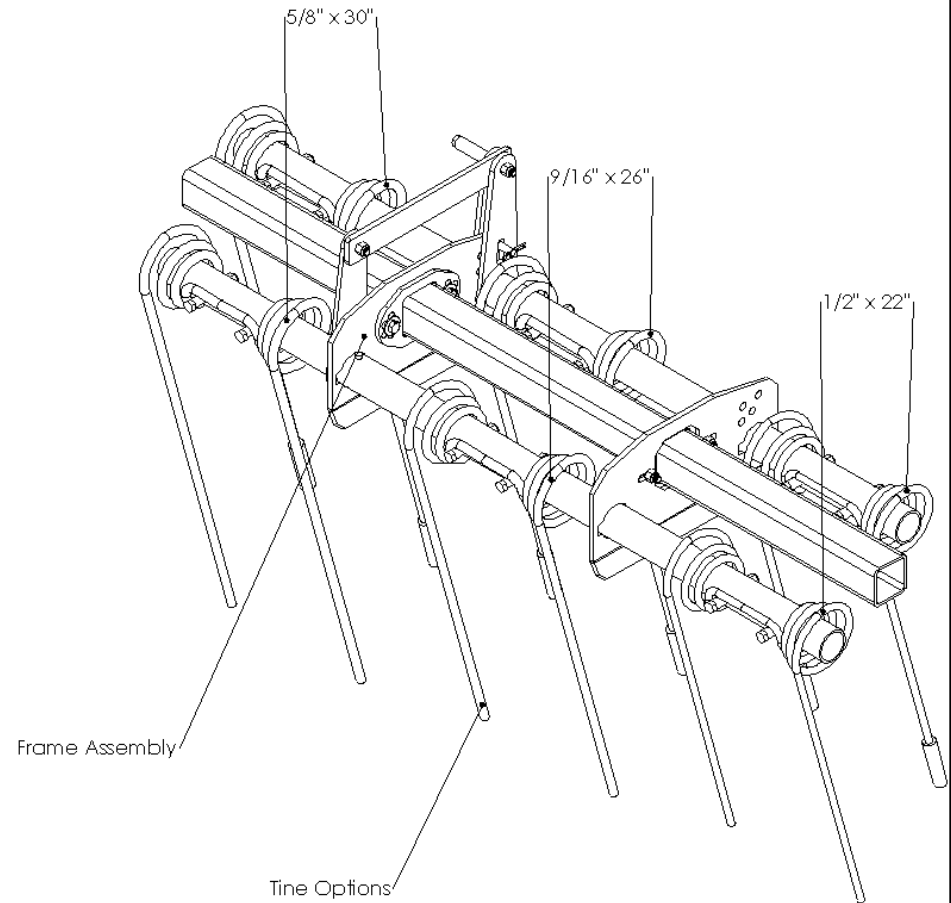
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DIMENSIONS ARE IN INCHES		DRAWN	Briffa	11-18-14	
TOLERANCES:		CHECKED			
FRACTIONAL: $\pm 1/8$		ENG APPR.			
ANGULAR: MACH ± 2		MFG APPR.			
TWO PLACE DECIMAL ± 0.01		Q.A.			
THREE PLACE DECIMAL ± 0.005		COMMENTS:			
THIRD ANGLE					
MATERIAL					
FINISH					
NEXT ASSY	USED ON				
APPLICATION		D O NOT SCALE DRAWING			

DESCRIPTION: 2 Bar Mounted Frame Assy 6'		
SIZE B	PART NUMBER: 124065	REV
WEIGHT: 118.56		SHEET 1 OF 1

Frame Assembly		Tine Options		Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description	Part Number	Description
124065	6 Foot 2-Bar Mounted Frame Assembly	120232	1/2" x 22" Harrow Tine	120431	6' Gates Mounted Magnum Harrow 2 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine	120432	6' Gates Mounted Magnum Harrow 2 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine	120437	6' Gates Mounted Magnum Harrow 2 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine	120438	6' Gates Mounted Magnum Harrow 2 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine	120443	6' Gates Mounted Magnum Harrow 2 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine	120444	6' Gates Mounted Magnum Harrow 2 Bar 5/8" x 30" Tines with Wear Tips



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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/8$
ANGULAR: MACH ± 2 BEND ± 2
TWO PLACE DECIMAL ± 0.01
THREE PLACE DECIMAL ± 0.005

THIRD ANGLE



MATERIAL

FINISH

NEXT ASSY

USED ON

APPLICATION

DO NOT SCALE DRAWING

SCALE: 1:12

NAME

DATE

DRAWN

Briffa

11-18-14

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:



DESCRIPTION:

2 Bar, 6' Harrows

SIZE

PART NUMBER:

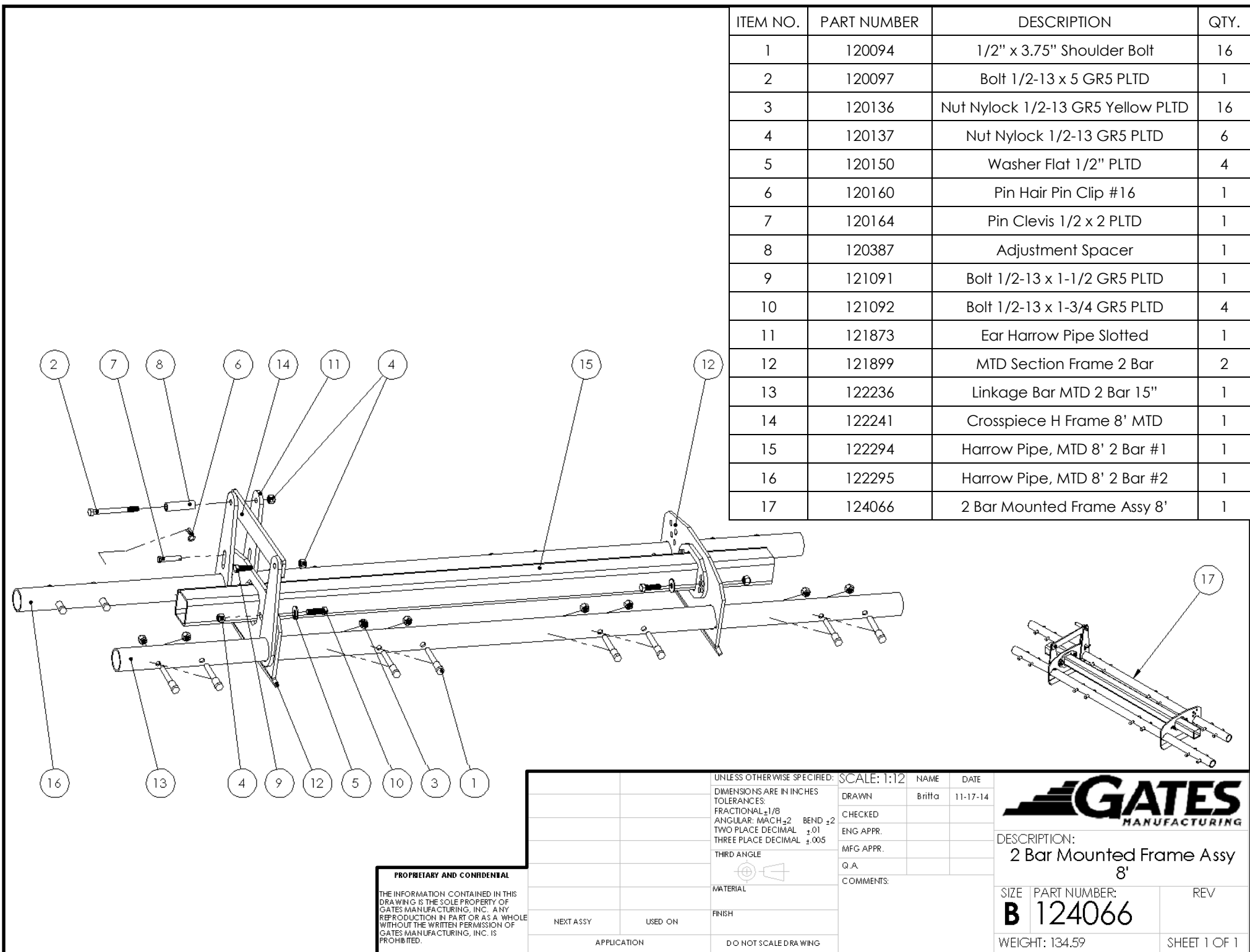
REV

B

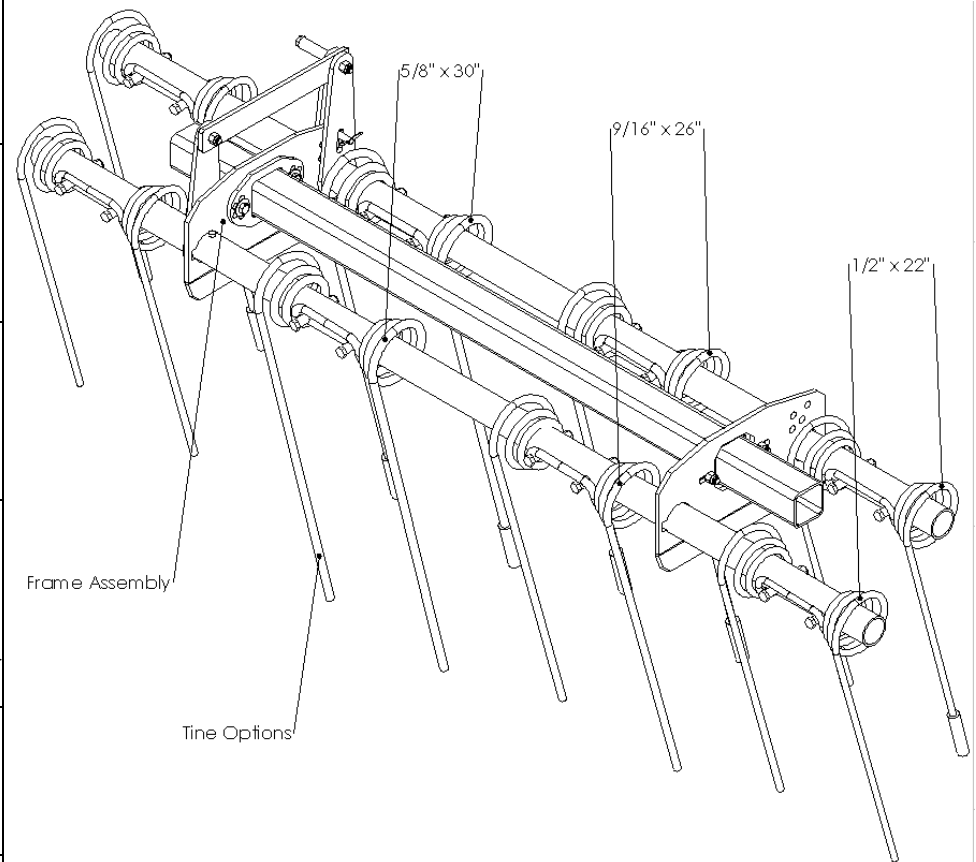
See Table

WEIGHT: 247.88

SHEET 1 OF 1



Frame Assembly		Tine Option		Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description	Part Number	Description
124006	8 Foot 2-Bar Mounted Frame Assembly	120232	1/2" x 22" Harrow Tine	120431	8' Gates Mounted Magnum Harrow 2 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine	120432	8' Gates Mounted Magnum Harrow 2 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine	120437	8' Gates Mounted Magnum Harrow 2 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine	120438	8' Gates Mounted Magnum Harrow 2 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine	120443	8' Gates Mounted Magnum Harrow 2 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine	120444	8' Gates Mounted Magnum Harrow 2 Bar 5/8" x 30" Tines with Wear Tips



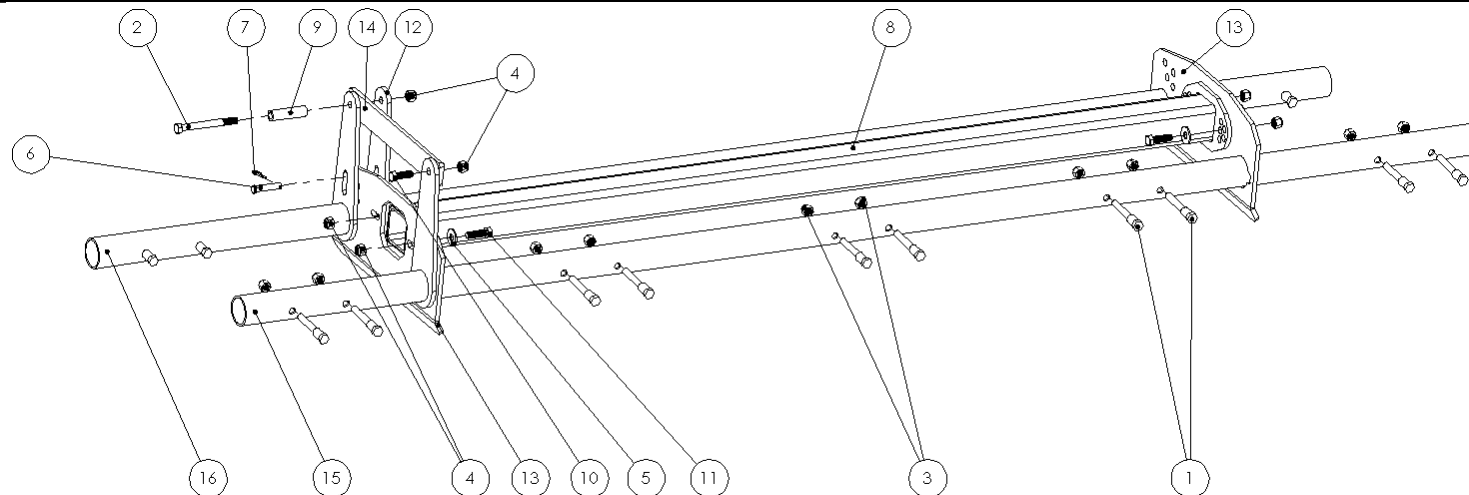
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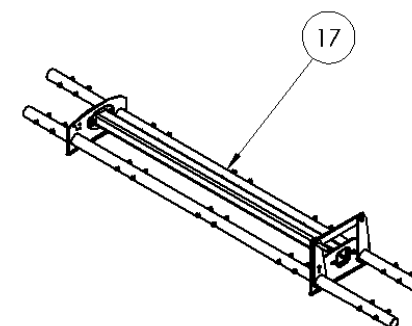
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DIMENSIONS ARE IN INCHES		DRAWN	Britta	11-17-14
TOLERANCES:		CHECKED		
FRACTIONAL $\pm 1/8$		ENG APPR.		
ANGULAR: MACH ± 2		MFG APPR.		
TWO PLACE DECIMAL $\pm .01$		Q.A.		
THREE PLACE DECIMAL $\pm .005$		COMMENTS:		
THIRD ANGLE				
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		



DESCRIPTION: 2 Bar, 8' Harrows		
SIZE	PART NUMBER:	REV
B	See Table	
WEIGHT: 301.59		SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120094	1/2" x 3.75" Shoulder Bolt	20
2	120097	Bolt 1/2-13 x 5 GR5 PLTD	1
3	120136	Nut Nylock 1/2-13 x 5 GR5 Yellow PLTD	20
4	120137	Nut Nylock 1/2-13 GR5 PLTD	6
5	120150	Washer Flat 1/2" PLTD	4
6	120160	Pin Hair Pin Clip #16	1
7	120164	Pin Clevis 1/2-13 x 1-1/2 x 2 PLTD	1
8	120379	Crosspiece H Frame 10' MTD	1
9	120387	Adjustment Spacer	1
10	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	1
11	121092	Bolt 1/2-13 x 1-3/4 GR5 PLTD	4
12	121873	Ear Harrow Pipe Slotted MTD Section Frame 2 Bar	1
13	121899	MTD Section Frame 2 Bar	2
14	122236	Linkage Bar MTD 2 Bar 15"	1
15	122303	Harrow Pipe, MTD 10' 2 Bar #1	1
16	122304	Harrow Pipe, MTD 10' 2 Bar #2	1
17	124067	2 Bar Mounted Frame Assy 10'	1



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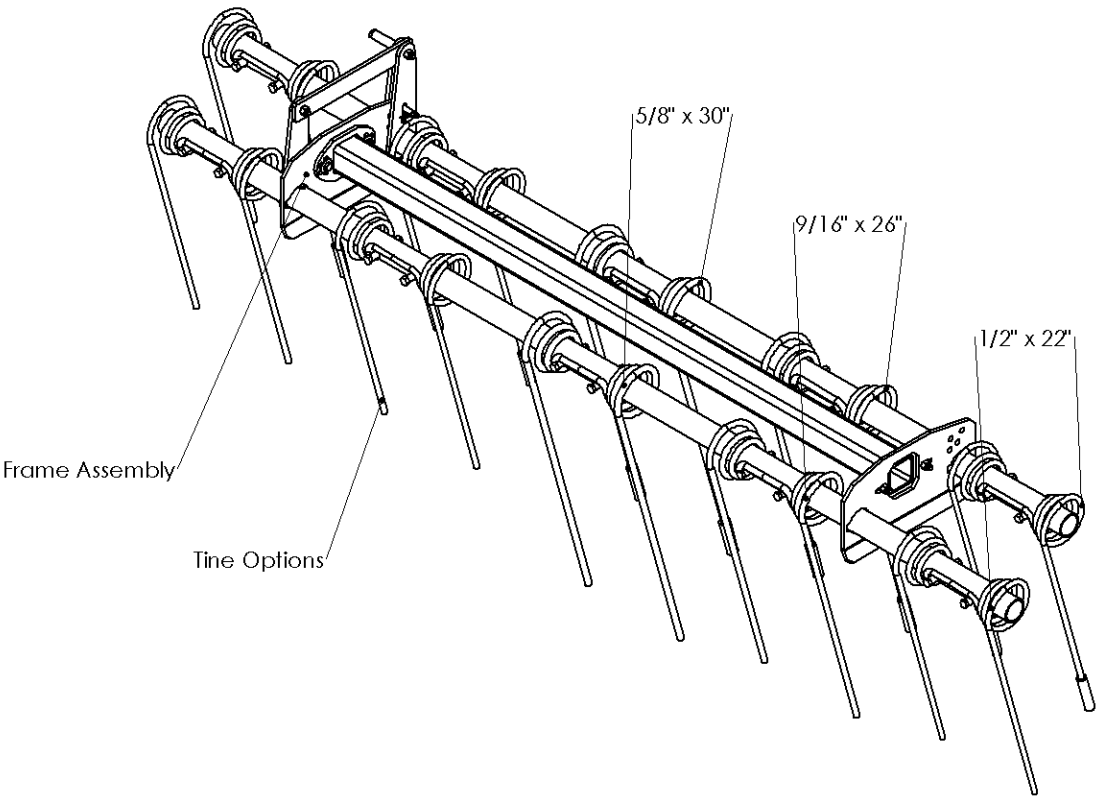
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		ANGULAR: MACH ± 2		ENG APPR.	
		TWO PLACE DECIMAL $\pm .01$		MFG APPR.	
		THREE PLACE DECIMAL $\pm .005$		Q.A.	
		THIRD ANGLE		COMMENTS:	
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON	APPLICATION	D O NOT SCALE DRAWING		



DESCRIPTION:
2 Bar Mounted Frame Assy
10'

SIZE	PART NUMBER:	REV
B	124067	
WEIGHT: 155.09	SHEET 1 OF 1	

Frame Assembly		Tine Options		Gates Mounted Magnum Harrow Par Number	
Part Number	Description	Part Number	Description	Part Number	Description
124067	10' Foot 2-Bar Mounted Frame Assembly	120232	1/2" x 22" Harrow Tine	120435	10' Gates Mounted Magnum Harrow 2 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		10' Gates Mounted Magnum Harrow 2 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine	120441	10' Gates Mounted Magnum Harrow 2 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine	120442	10' Gates Mounted Magnum Harrow 2 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine	120447	10' Gates Mounted Magnum Harrow 2 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine	120448	10' Gates Mounted Magnum Harrow 2 Bar 5/8" x 30" Tines with Wear Tips



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		DIMENSIONS ARE IN INCHES		DRAWN		Britta	11-14-14
		TOLERANCES:		CHECKED			
		FRACTIONAL: ±1/8		ENG APPR.			
ANGULAR: MACH ±2		BEND ±2		MFG APPR.			
TWO PLACE DECIMAL ±.01		THREE PLACE DECIMAL ±.005		Q.A.			
THIRD ANGLE				COMMENTS:			
MATERIAL		FINISH					
NEXT ASSY		USED ON					
APPLICATION		DO NOT SCALE DRAWING					

GATES
MANUFACTURING

DESCRIPTION:
2 Bar, 10' Harrows

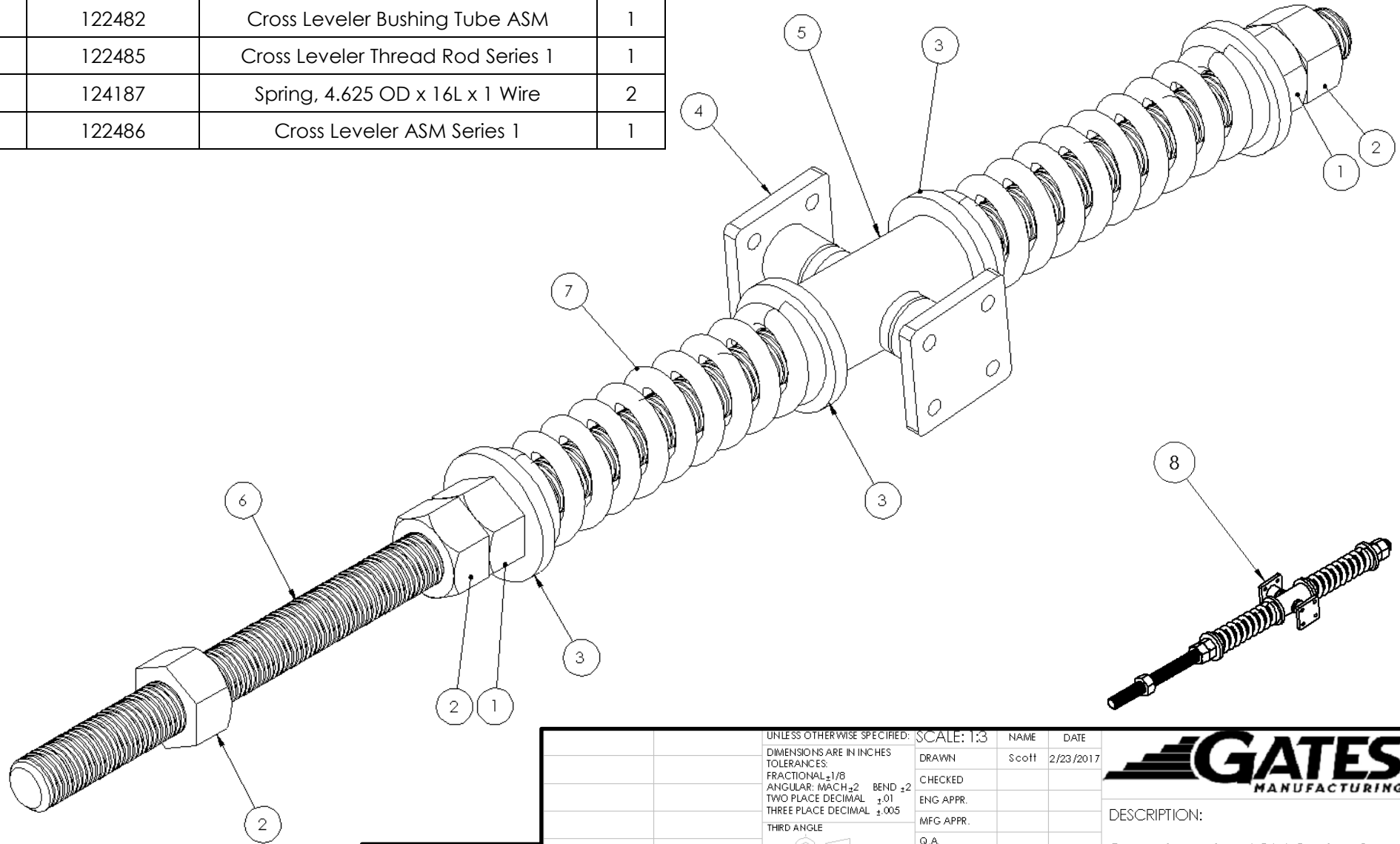
SIZE: **B** PART NUMBER: **See Table**

WEIGHT: 359.76

REV

SHEET 1 OF 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120167	Nut 1.75-5NC GR5	2
2	120168	Jam Nut 1.75-5NC GR5	3
3	120396	Leveler Washer	4
4	122479	Cross Leveler Bushing ASM	2
5	122482	Cross Leveler Bushing Tube ASM	1
6	122485	Cross Leveler Thread Rod Series 1	1
7	124187	Spring, 4.625 OD x 16L x 1 Wire	2
8	122486	Cross Leveler ASM Series 1	1



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		UNLESS OTHERWISE SPECIFIED:		SCALE: 1:3	NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	Scott	2/23/2017
		TOLERANCES:		CHECKED		
		FRACTIONAL: $\pm 1/8$		ENG APPR.		
		ANGULAR: MACH ± 2 BEND ± 2		MFG APPR.		
		TWO PLACE DECIMAL $\pm .01$		Q.A.		
		THREE PLACE DECIMAL $\pm .005$		COMMENTS:		
		THIRD ANGLE				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON	APPLICATION		D.O. NOT SCALE DRAWING		



DESCRIPTION:

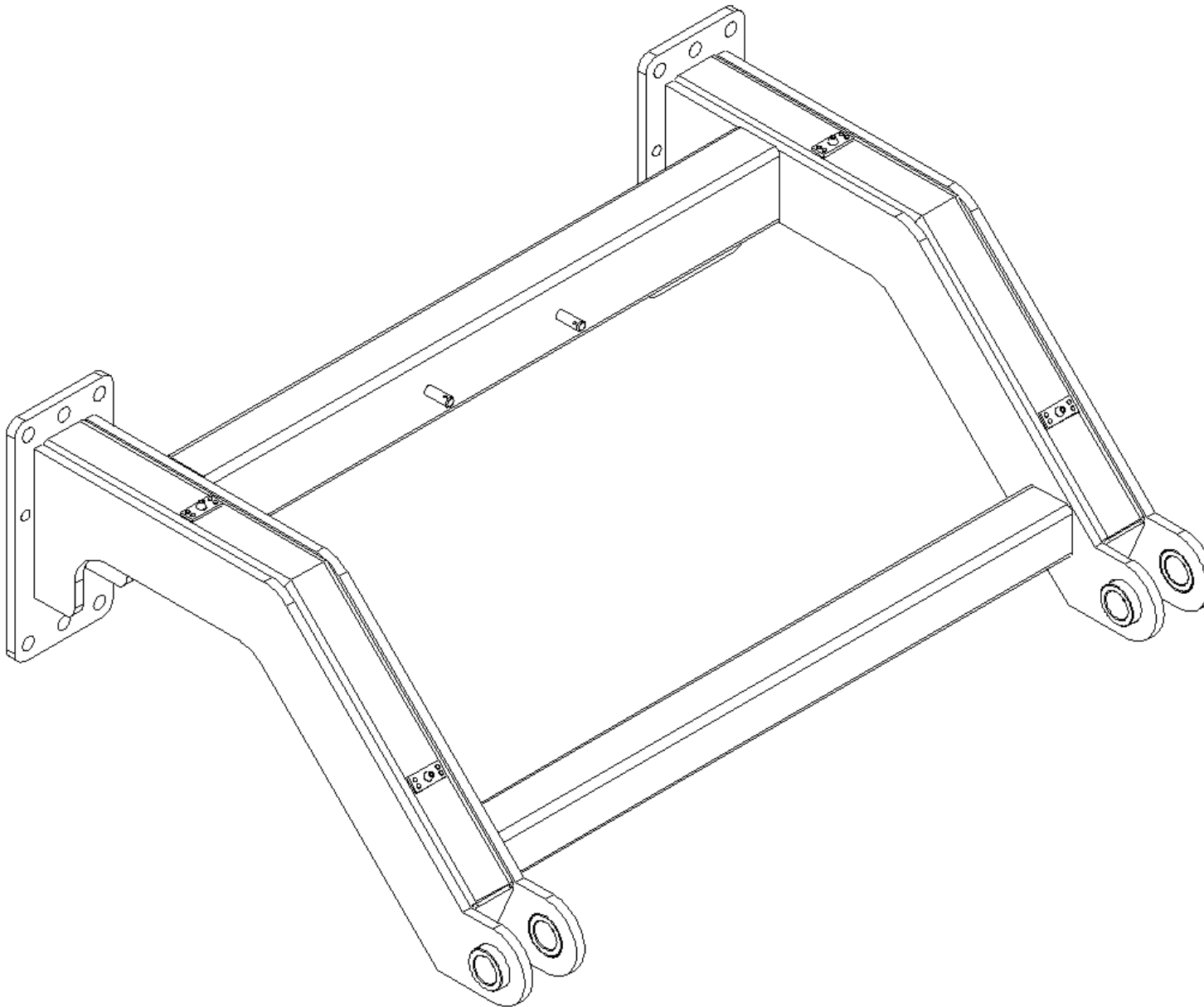
Cross Leveler ASM Series 1

SIZE	PART NUMBER:	REV
B	122486	A-02

WEIGHT: 80.42

SHEET 1 OF 1

124757



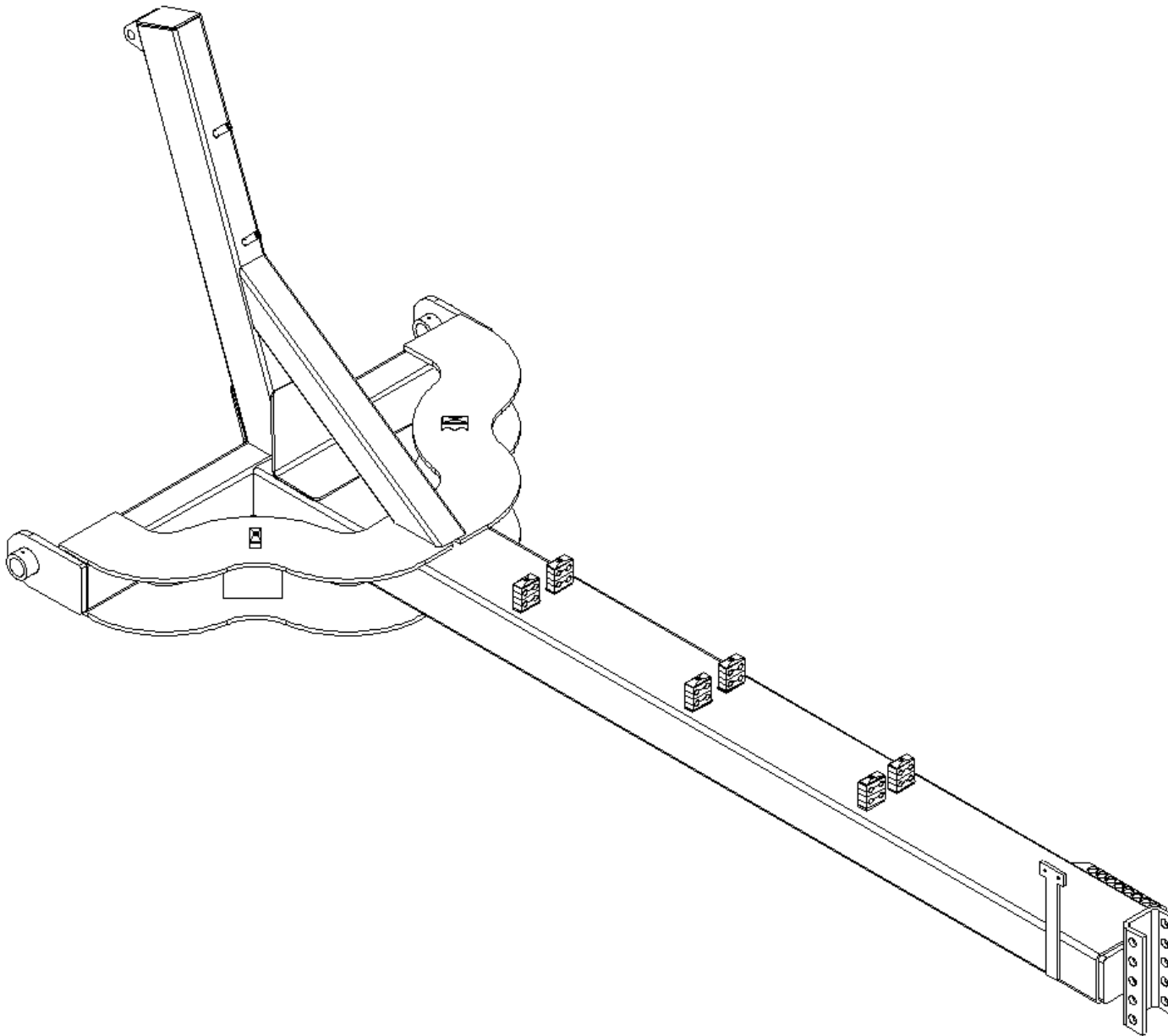
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		UNLESS OTHERWISE SPECIFIED:		SCALE: 1:8	NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN	Scott	3/17/2014
		TOLERANCES:		CHECKED		
		FRACTIONAL $\pm 1/8$		ENG APPR.		
		ANGULAR: MACH ± 2 BEND ± 2		MFG APPR.		
		TWO PLACE DECIMAL $\pm .01$		Q.A.		
		THREE PLACE DECIMAL $\pm .005$		COMMENTS:		
		THIRD ANGLE				
		MATERIAL				
		FINISH				
		Paint Gates Black				
		D O NOT SCALE DRAWING				
NEXT ASSY	USED ON					
APPLICATION						

DESCRIPTION: Gooseneck ASM - CLTR 1 - 40	
SIZE B	PART NUMBER: 124757
WEIGHT: 634.908	REV SHEET 1 OF 2

127388



PROPRIETARY AND CONFIDENTIAL

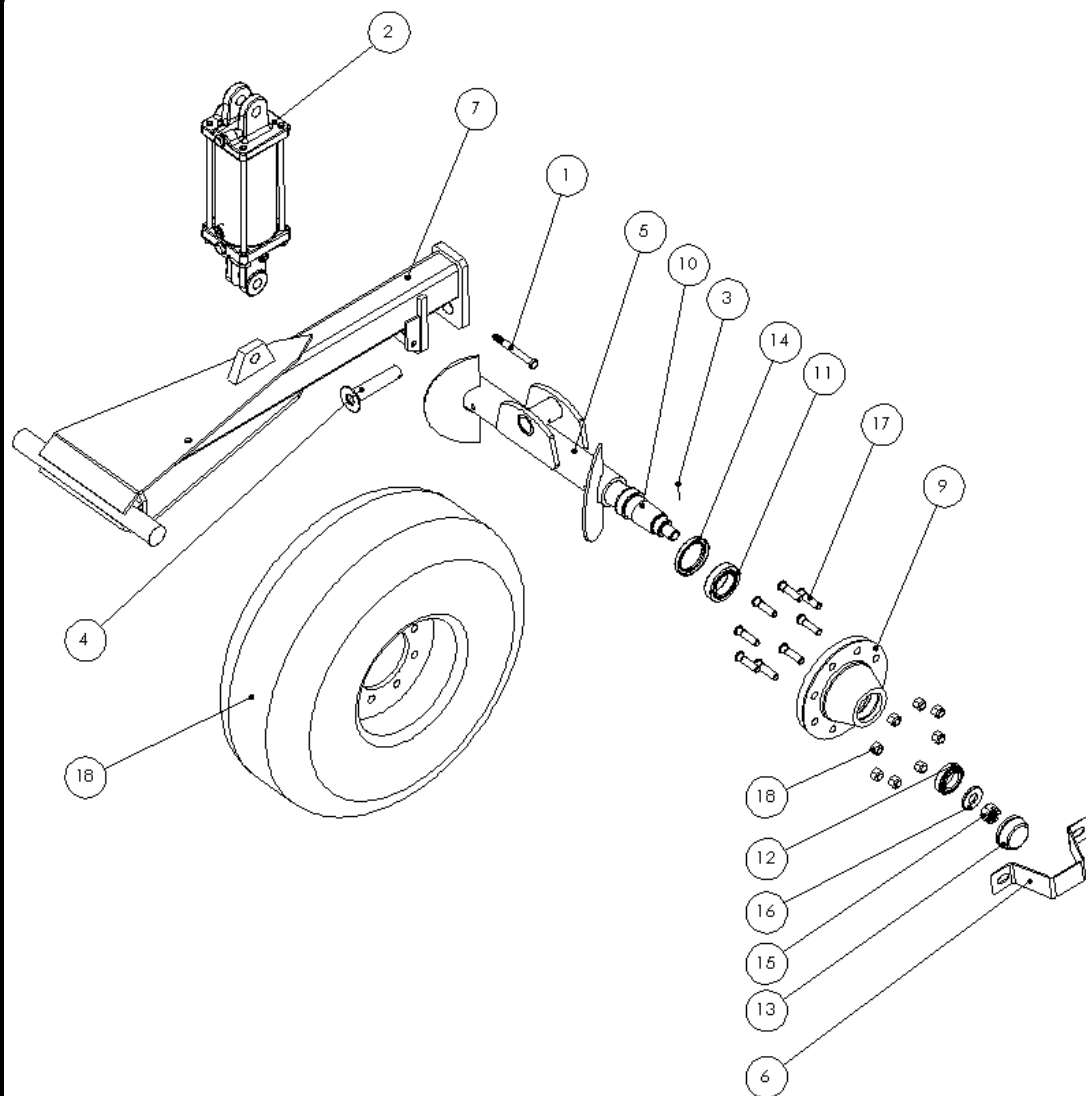
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		UNLESS OTHERWISE SPECIFIED:		SCALE: 1:24	NAME	DATE
		DIMENSIONS ARE IN INCHES		DRAWN		
		TOLERANCES:		CHECKED		
		FRACTIONAL $\pm 1/8$		ENG APPR.		
		ANGULAR: MACH ± 2 BEND ± 2		MFG APPR.		
		TWO PLACE DECIMAL $\pm .01$		Q.A.		
		THREE PLACE DECIMAL $\pm .005$		COMMENTS:		
		THIRD ANGLE				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON	APPLICATION		D O NOT SCALE DRAWING		



DESCRIPTION:
Tow Hitch ASM - Series 1

SIZE	PART NUMBER:	REV
B	127388	
WEIGHT:		SHEET 1 OF 1

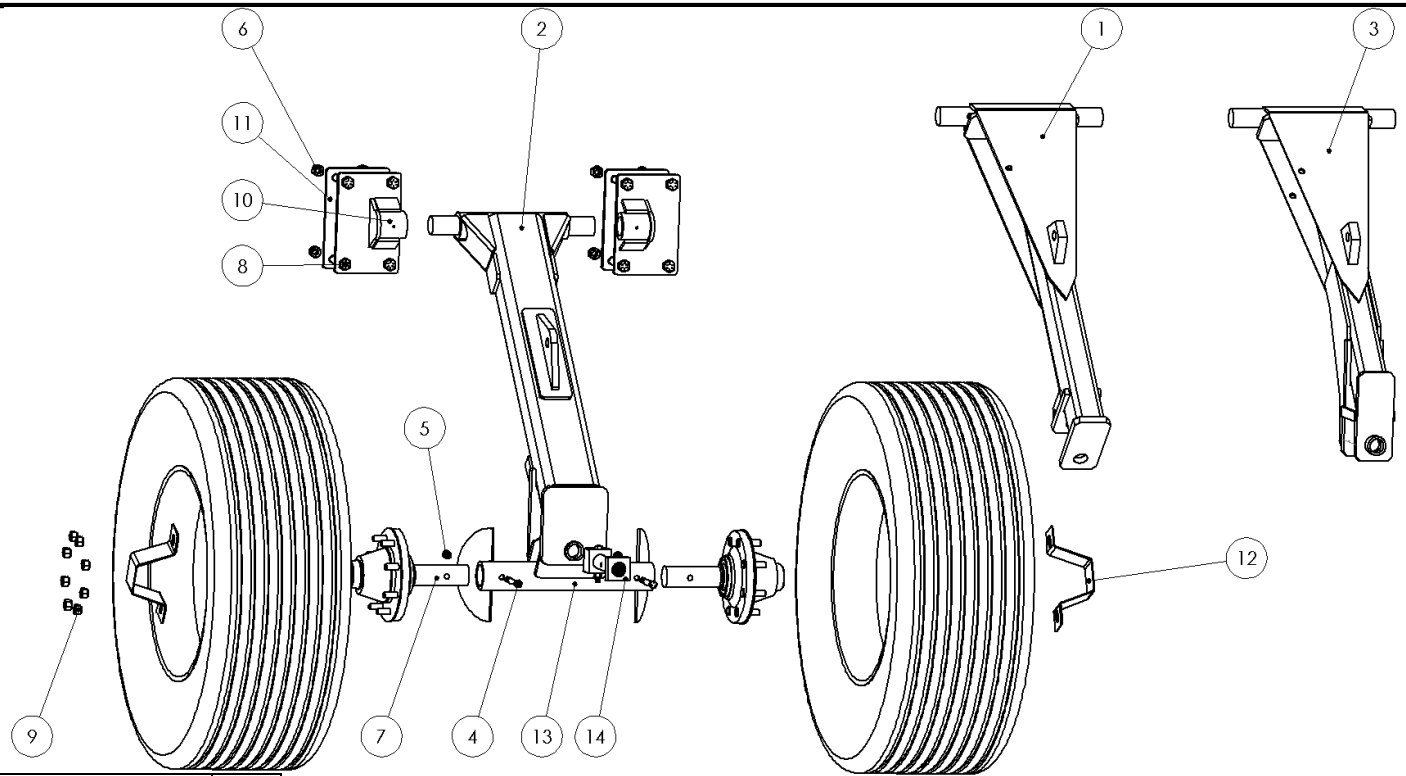


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120097	Bolt, 1/2" x 5"	1
2	120201	Cylinder, 4 x 8 x 1-3/8 Tie Rod Rephasing (Left Wing)	1
	120202	Cylinder, 4-1/2 x 8 x 2 Tie Rod Rephasing (Right Wing)	1
	120203	Cylinder, 4-3/4 x 8 x 1-1/2 Tie Rod Rephasing (Mainframe Right)	1
	120204	Cylinder, 5 x 8 x 1-1/2 Tie Rod Rephasing (Mainframe Left)	1
3	120269	Cotter Pin, 1/8" x 2"	1
4	120337	Pin, 1-1/4" x 5"	1
5	120392	Bogie Pivot	1
6	120395	Dust Cap Protector	1
7	121572	Bogie Pivot Arm	1
8	121793	Lug Nut, 5/8-18	8
9	121996	Wheel Hub 8000	1
10	121997	Spindle 8000 Wheel Hub	1
11	121998	Inner Bearing 8000 Hub	1
12	121999	Outer Bearing 8000 Hub	1
13	122000	Dust Cap 8000 Hub	1
14	122001	Grease Seal 8000 Hub	1
15	122003	Nut, 1-14 UNF SF114	1
16	122004	Washer, Spindle 8000	1
17	123824	Wheel Stud, 5/8-18 x 2.25 8000 Hub	8
18		Please Specify Tire Size	1

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		DRAWN	Katie	05-21-20
MATERIAL FINISH		CHECKED		
		ENG APPR.		
NEXT ASSY USED ON APPLICATION		MFG APPR.		
		G.A.		
DO NOT SCALE DRAWING		COMMENTS:		
		DESCRIPTION: Bogie ASM		
SIZE B		PART NUMBER:		REV
WEIGHT: 421.48		SHEET 1 OF 1		



Bogie Arm Revisions

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	121572	Weldment, Bogie Arm DBL Coulter	1
2	121590	Weldment, Bogie Arm New	1
3	122396	Weldment, Bogie Arm Revision 1	1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
4	120095	Bolt 1/2-13 x 4 GR5 PLTD	2
5	120137	Nut Nylock 1/2-13 GR5 PLTD	2
6	120140	Nut Nylock 3/4-10 GR5 PLTD	8
7	120309	Hub Spindle Assembly #8000 8-Bolt	2
8	121149	Bolt 3/4-10 x 6 GR8 YZ PLTD	8
9	121793	Lug Nut 5/8-18	16
10	122387	Bogie Arm Endcap Weldment	2
11	122392	7 x 10-3/4 x 1/2 Bogie Endcap Mounting Plate	2
12	122419	Dust Cap Protector 8-Bolt Eldale Hub	2
13	123448	DBL Coulter Axle Weldment	1
14	125010	Grease Pin ASM—Series 1	1

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DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONAL $\pm 1/8$
ANGULAR: MACH ± 2 BEND ± 2
TWO PLACE DECIMAL $\pm .01$
THREE PLACE DECIMAL $\pm .005$

THIRD ANGLE



MATERIAL

FINISH

DO NOT SCALE DRAWING

NEXT ASSY USED ON

APPLICATION

SCALE: 1:16

NAME DATE

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:



DESCRIPTION:

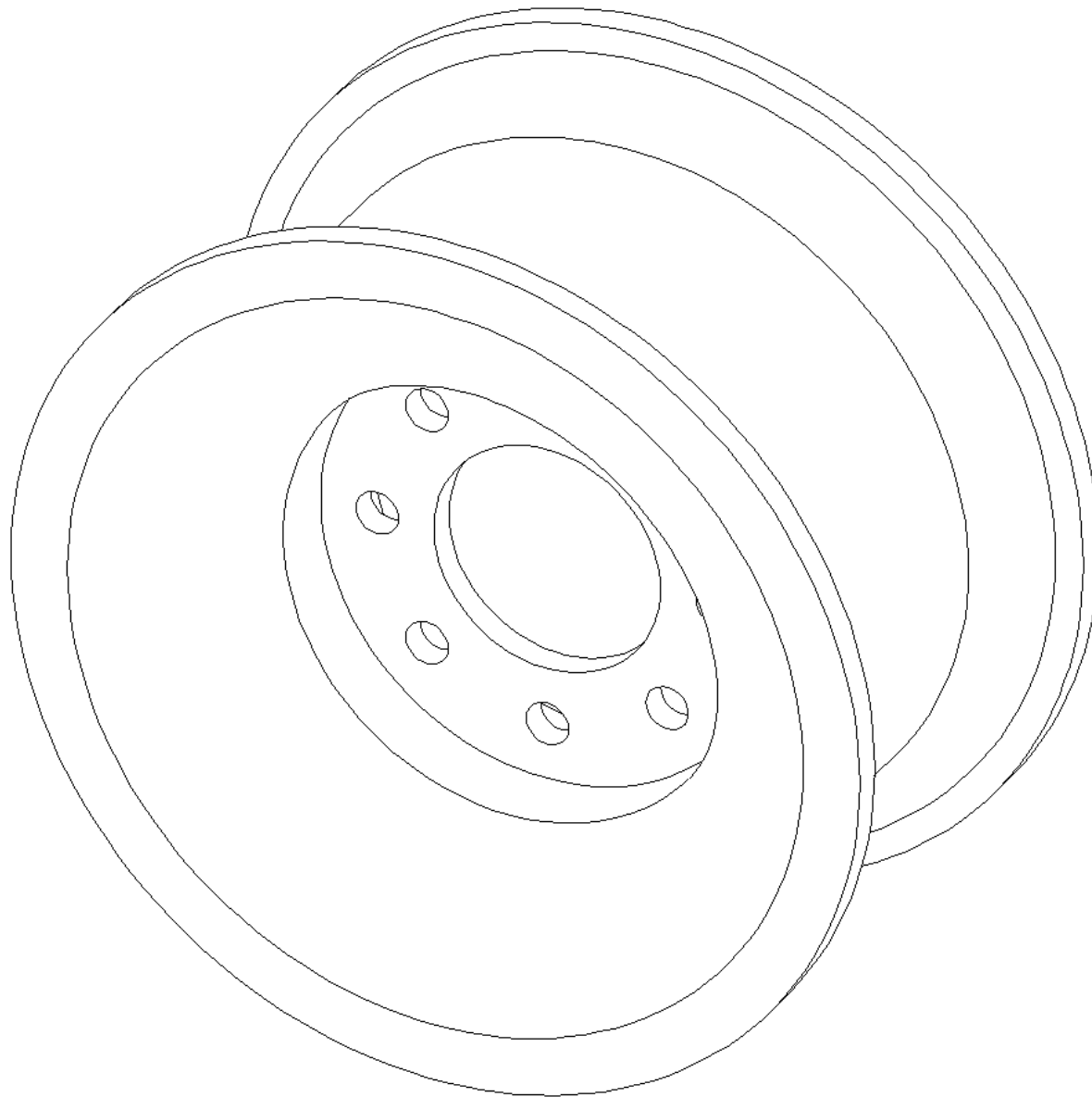
Series I Bogie Assembly

SIZE PART NUMBER: REV

B

WEIGHT: 1159.23

SHEET 1 OF 1



RIM OPTIONS	
PART NUMBER	DESCRIPTION
120312	15" x 8" 8-Bolt
120319	15" x 10" 8-Bolt

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UNLESS OTHERWISE SPECIFIED:		SCALE: 1:8	NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN		
TOLERANCES:		CHECKED		
FRACTIONAL $\pm 1/8$		ENG APPR.		
ANGULAR: MACH ± 2 BEND ± 2		MFG APPR.		
TWO PLACE DECIMAL ± 0.01		Q.A.		
THREE PLACE DECIMAL ± 0.005		COMMENTS:		
THIRD ANGLE				
MATERIAL				
FINISH				
NEXT ASSY	USED ON			
APPLICATION		D O NOT SCALE DRAWING		



DESCRIPTION: Rim

SIZE **B**

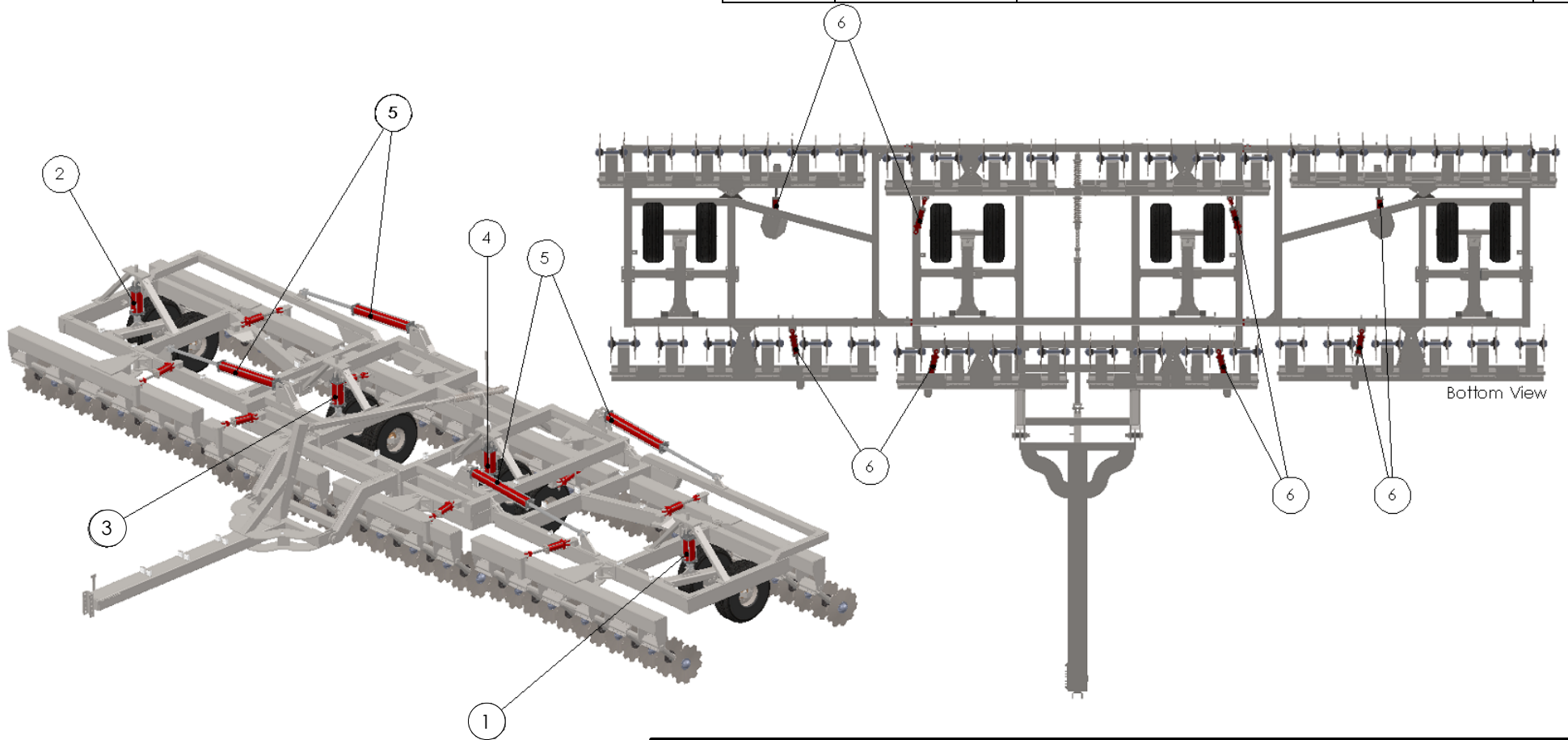
WEIGHT:

PART NUMBER:

REV

SHEET 1 OF 1

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120201	Cylinder 4 x 8 x 1-3/8 Tie Rod Rephasing	1
2	120202	Cylinder 4-1/2 x 8 x 2 Tie Rod Rephasing	1
3	120203	Cylinder 4-3/4 x 8 x 1-1/2 Tie Rod Rephasing	1
4	120204	Cylinder 5 x 8 x 1-1/2 Tie Rod Rephasing	1
5	120205	Cylinder 4 x 36 x 1-3/4 Tie Rod	4
6	121824	Cylinder 3 x 6 Double Rephase (BW-0204)	8



PROPRIETARY AND CONFIDENTIAL

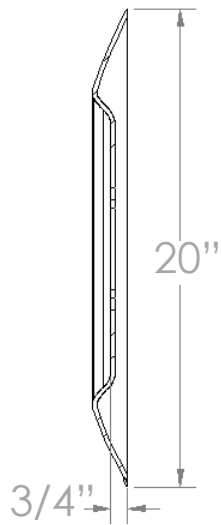
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		UNLESS OTHERWISE SPECIFIED:		SCALE: 1:48	NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm 1/8$ ANGULAR: MACH ± 2 BEND ± 2 TWO PLACE DECIMAL ± 0.01 THREE PLACE DECIMAL ± 0.005		DRAWN	Katie	6-3-2020
		THIRD ANGLE		CHECKED		
		MATERIAL		ENG APPR.		
		FINISH		MFG APPR.		
				Q.A.		
				COMMENTS:		
NEXT ASSY	USED ON					
APPLICATION		D O NOT SCALE DRAWING				

DESCRIPTION:
40' Coulter Disk - Series I

SIZE **B** PART NUMBER: REV

WEIGHT: 15373.31 SHEET 1 OF 1



- ◇ Aggressive wave profile is ideal for sizing and mixing residue with soil
- ◇ 22" diameter
- ◇ 25 wave concave coulters
- ◇ Boron enriched high-performance steel
- ◇ 3/4" offset
- ◇ 5mm thick
- ◇ Shallow concavity produces:
 - * High-speed operation
 - * Less soil smearing
 - * Reduced compaction
 - * Ideal for shallow, high-speed vertical tillage applications

124475

22" Soil Rebel™

Soil Rebel™ is a trademark of Ingersoll Tillage Group



- ◇ Aggressive wave profile is ideal for sizing and mixing residue with soil
- ◇ 20" diameter
- ◇ 25 wave concave coulters
- ◇ Boron enriched high-performance steel
- ◇ 3/4" offset
- ◇ 5mm thick
- ◇ Shallow concavity produces:
 - * High-speed operation
 - * Less soil smearing
 - * Reduced compaction
 - * Ideal for shallow, high-speed vertical tillage applications

124476

20" Soil Rebel™

Soil Rebel™ is a trademark of Ingersoll Tillage Group

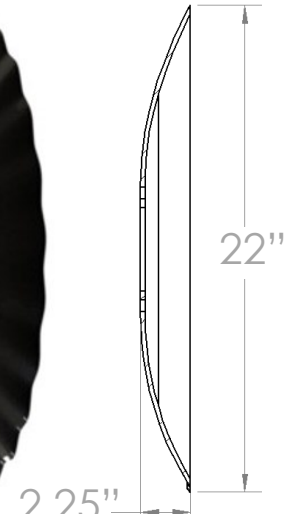


- ◇ Geometry offers more aggressive clod sizing
- ◇ 22" diameter
- ◇ 6mm thick
- ◇ 1-1/4" offset

123926

22" Vortex™

Vortex™ is a trademark of CFC distributors



- ◇ Designed for excellent penetration and residue sizing
- ◇ 22" diameter
- ◇ 25 shallow waves
- ◇ 12° concave
- ◇ 2-1/4" offset
- ◇ 5mm thick

120297

22" Sidewinder