



Parts Book

Mounted Harrows

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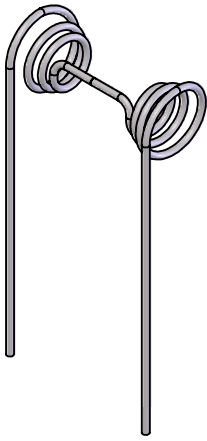
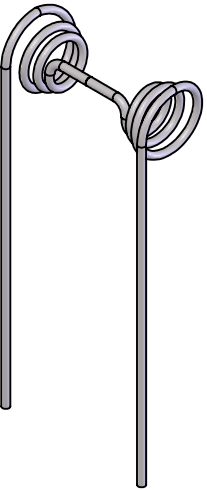
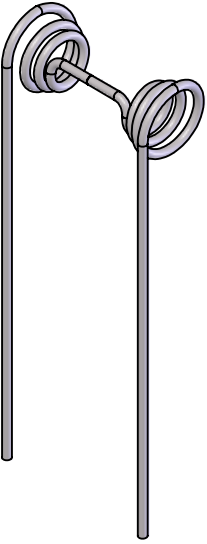
Email: info@gatesmfg.net

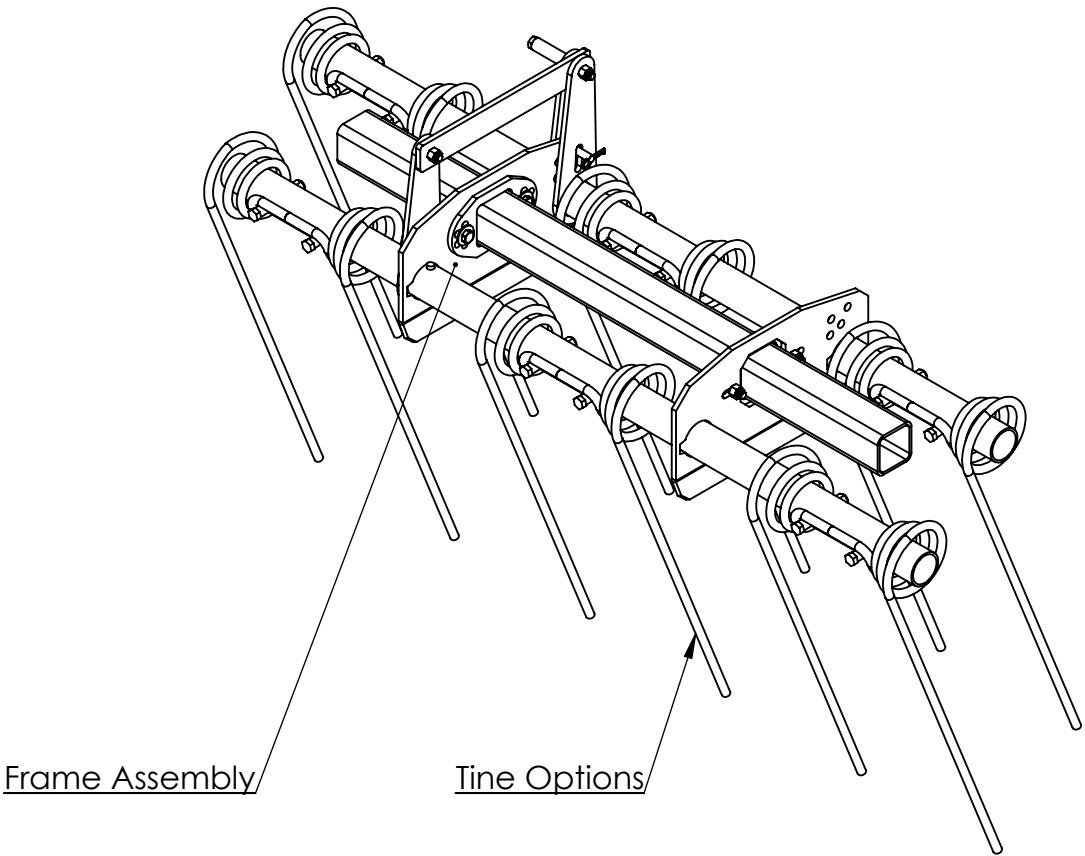
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Mounted Harrow Sections

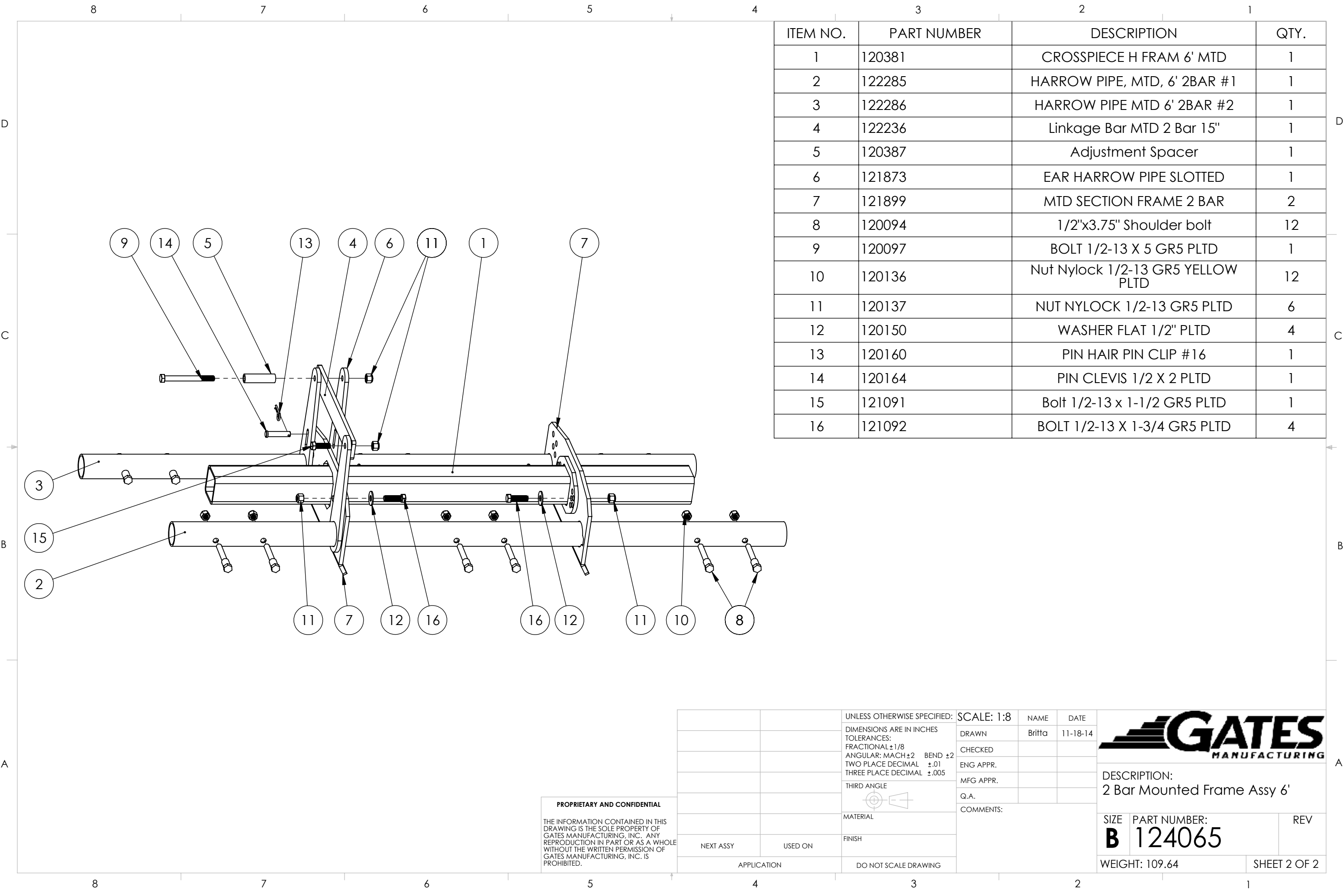
Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
124065	6 Foot 2-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120431	6' Gates Mounted Magnum Harrow..2 Bar 1/2" x 22" Tines
		120231	1/2" x 22" 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:	SCALE: 1:12	NAME	DATE		
		DIMENSIONS ARE IN INCHES	DRAWN				
		TOLERANCES:	CHECKED			DESCRIPTION: 2 Bar, 6' Harrows	
		FRACTIONAL ±1/8	ENG APPR.				
		ANGULAR: MACH ±2 BEND ±2	MFG APPR.			SIZE PART NUMBER: B See Table	
		TWO PLACE DECIMAL ±.01	Q.A.				
		THREE PLACE DECIMAL ±.005	COMMENTS:			WEIGHT: SHEET 1 OF 1	
		THIRD ANGLE					
							
		MATERIAL					
NEXT ASSY	USED ON	FINISH					
APPLICATION		DO NOT SCALE DRAWING					



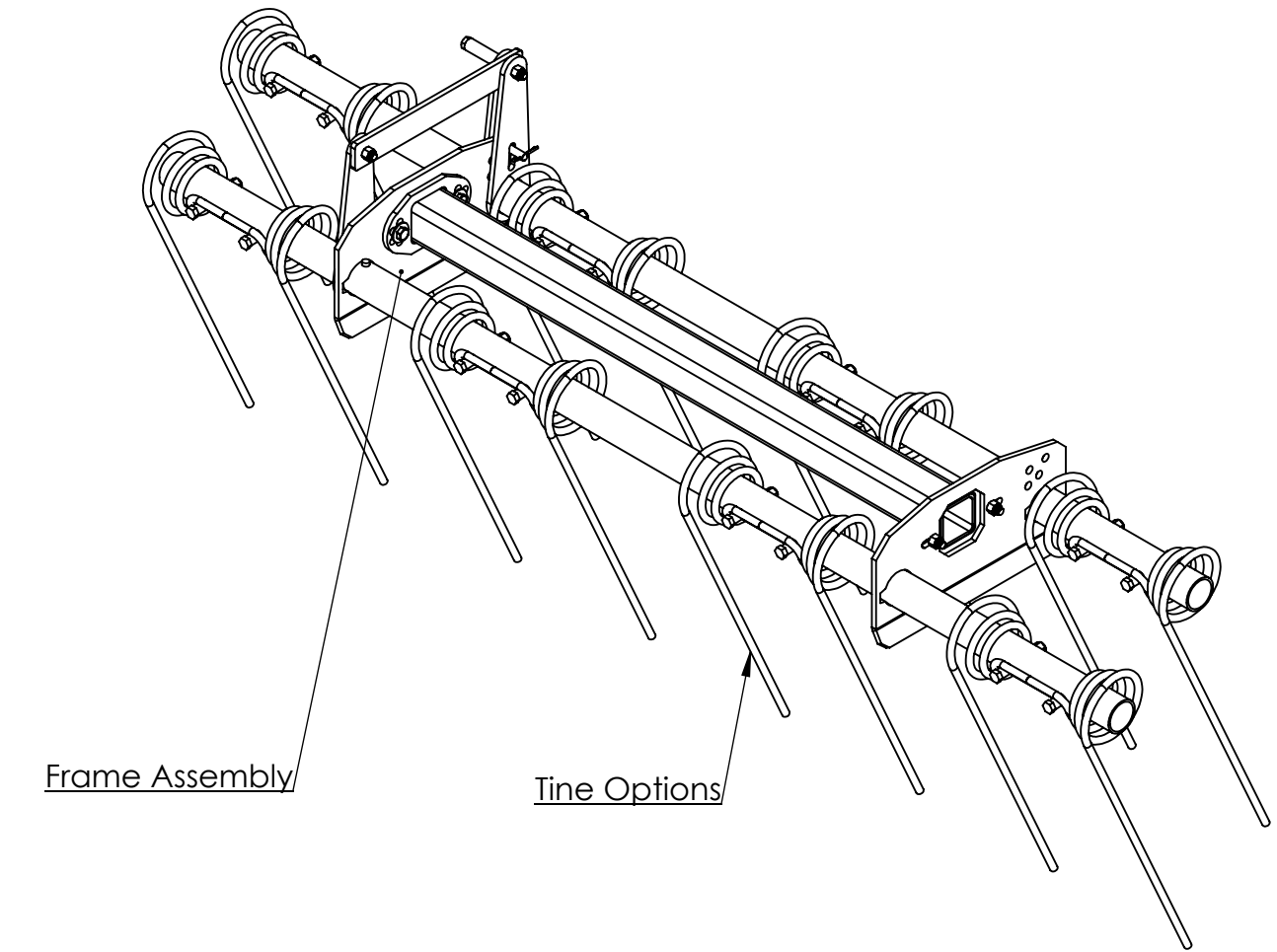
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120381	CROSSPIECE H FRAM 6' MTD	1
2	122285	HARROW PIPE, MTD, 6' 2BAR #1	1
3	122286	HARROW PIPE MTD 6' 2BAR #2	1
4	122236	Linkage Bar MTD 2 Bar 15"	1
5	120387	Adjustment Spacer	1
6	121873	EAR HARROW PIPE SLOTTED	1
7	121899	MTD SECTION FRAME 2 BAR	2
8	120094	1/2"x3.75" Shoulder bolt	12
9	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
10	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	12
11	120137	NUT NYLOCK 1/2-13 GR5 PLTD	6
12	120150	WASHER FLAT 1/2" PLTD	4
13	120160	PIN HAIR PIN CLIP #16	1
14	120164	PIN CLEVIS 1/2 X 2 PLTD	1
15	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	1
16	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4

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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	Britta	11-18-14		
			CHECKED				
			ENG APPR.				
			MFG APPR.				
		THIRD ANGLE 	Q.A.			DESCRIPTION: 2 Bar Mounted Frame Assy 6'	
		MATERIAL	COMMENTS:				
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					
			WEIGHT: 109.64 SHEET 2 OF 2				
			DESCRIPTION: 2 Bar Mounted Frame Assy 6'				
			SIZE		PART NUMBER:		REV
			B		124065		
			WEIGHT: 109.64 SHEET 2 OF 2				

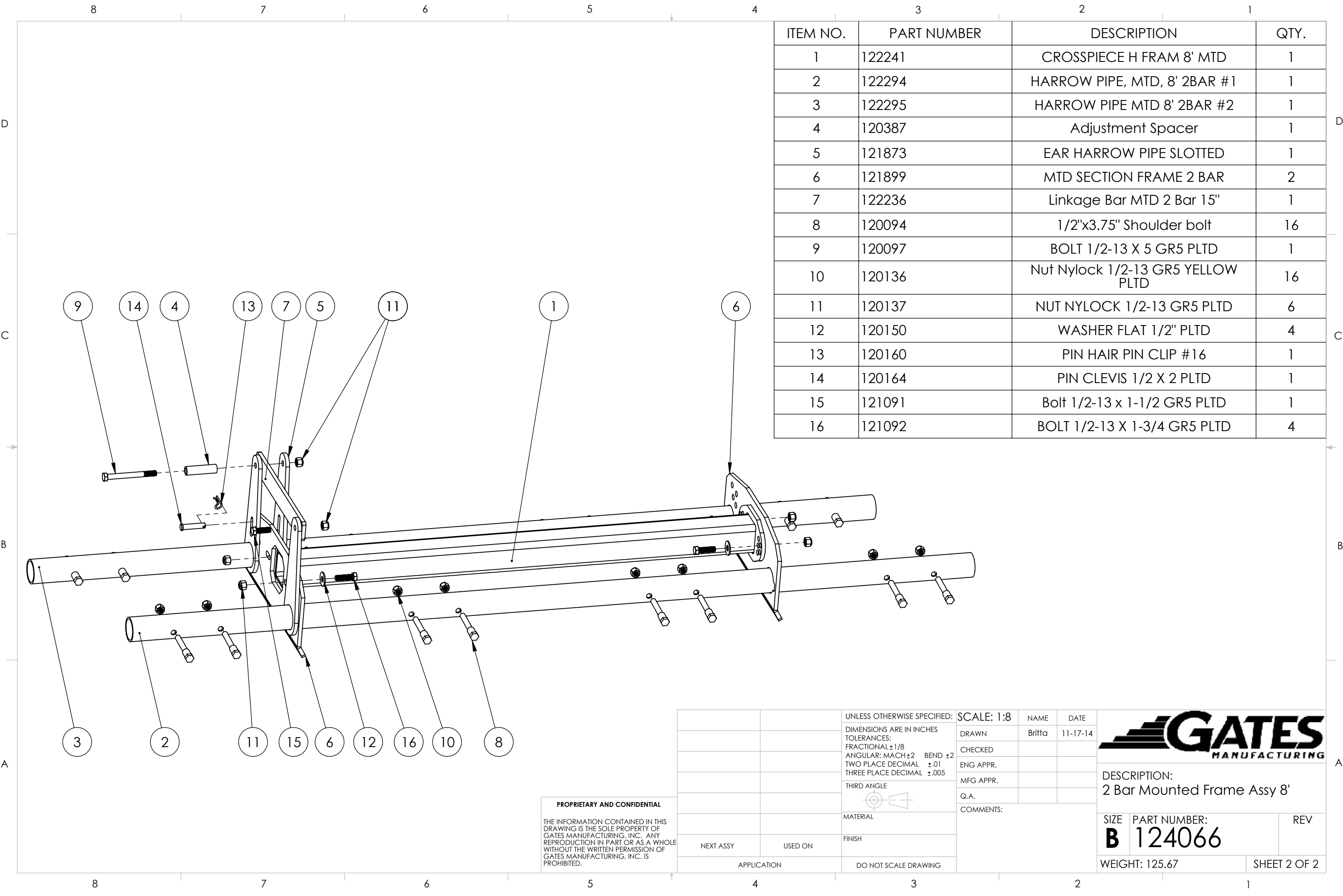
Frame Assembly		Tine Options		Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description	Part Number	Description
124066	8 Foot 2-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine	120433	8' Gates Mounted Magnum Harrow..2 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine	120434	8' Gates Mounted Magnum Harrow..2 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine	120439	8' Gates Mounted Magnum Harrow..2 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine	120440	8' Gates Mounted Magnum Harrow..2 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine	120445	8' Gates Mounted Magnum Harrow..2 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine	120446	8' Gates Mounted Magnum Harrow..2 Bar 5/8" x 30" Tines with Wear Tips



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		DIMENSIONS ARE IN INCHES	DRAWN				
		TOLERANCES:	CHECKED				
		FRACTIONAL ±1/8	ENG APPR.				
		ANGULAR: MACH ±2 BEND ±2	MFG APPR.			DESCRIPTION: 2 Bar, 8' Harrows	
		TWO PLACE DECIMAL ±.01	Q.A.				
		THREE PLACE DECIMAL ±.005	COMMENTS:			SIZE	PART NUMBER:
		THIRD ANGLE				B	See Table
		MATERIAL				WEIGHT:	SHEET 1 OF 1
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	122241	CROSSPIECE H FRAM 8' MTD	1
2	122294	HARROW PIPE, MTD, 8' 2BAR #1	1
3	122295	HARROW PIPE MTD 8' 2BAR #2	1
4	120387	Adjustment Spacer	1
5	121873	EAR HARROW PIPE SLOTTED	1
6	121899	MTD SECTION FRAME 2 BAR	2
7	122236	Linkage Bar MTD 2 Bar 15"	1
8	120094	1/2"x3.75" Shoulder bolt	16
9	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
10	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	16
11	120137	NUT NYLOCK 1/2-13 GR5 PLTD	6
12	120150	WASHER FLAT 1/2" PLTD	4
13	120160	PIN HAIR PIN CLIP #16	1
14	120164	PIN CLEVIS 1/2 X 2 PLTD	1
15	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	1
16	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4

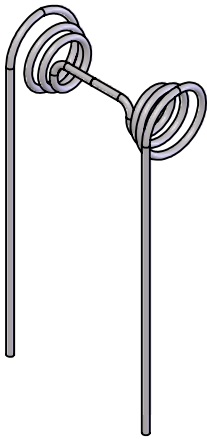
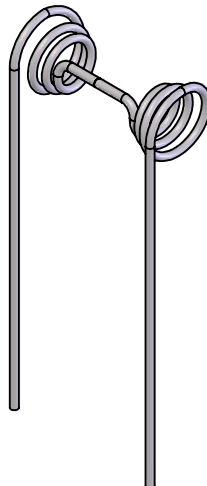
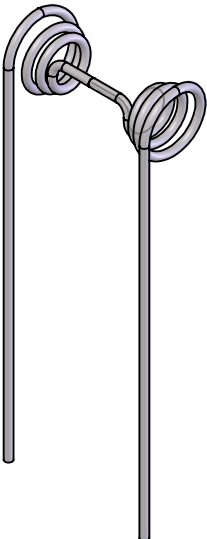
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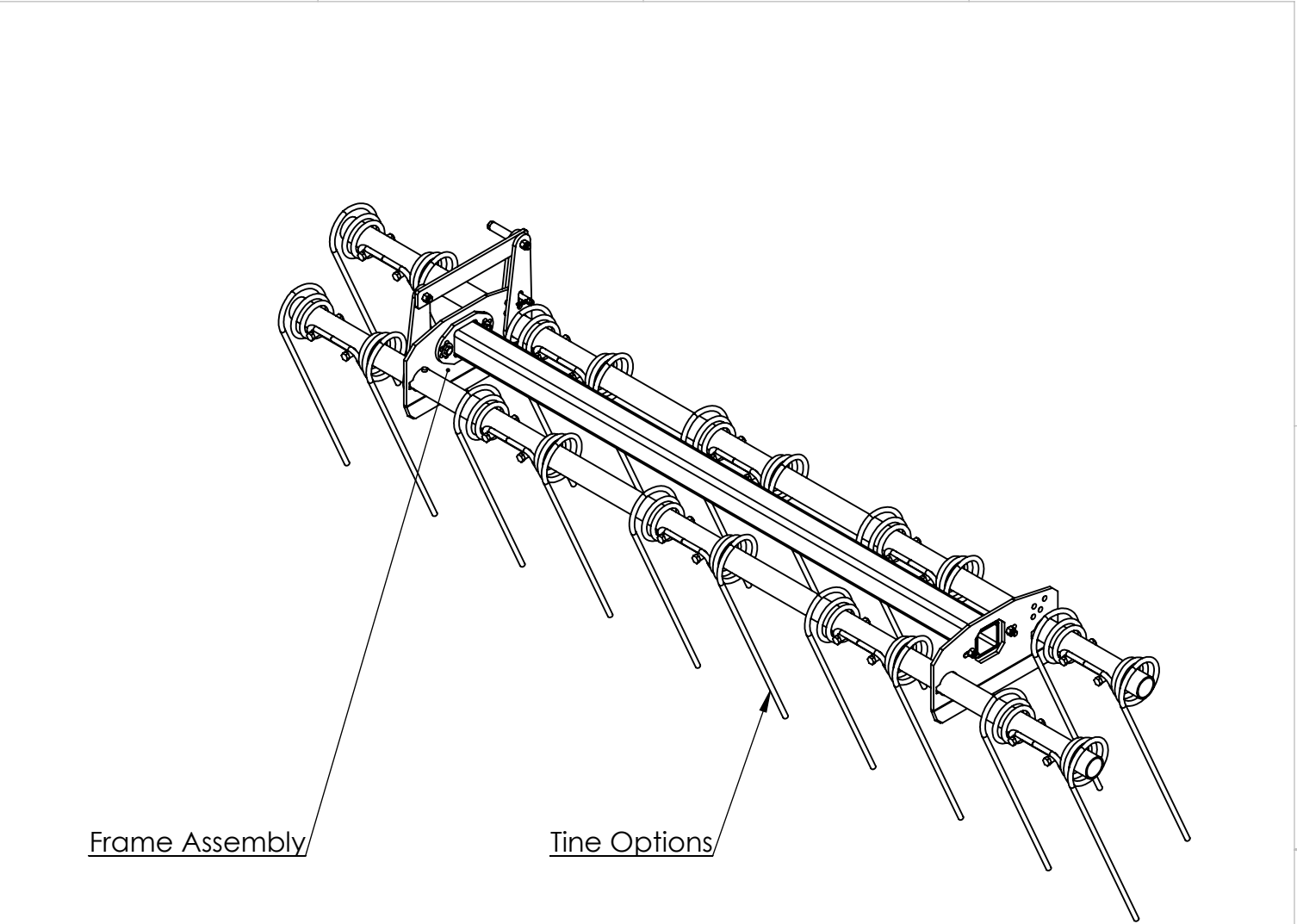
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		DIMENSIONS ARE IN INCHES		DRAWN		Britta	11-17-14
		TOLERANCES:		CHECKED			
		FRACTIONAL ±1/8		ENG APPR.			
		ANGULAR: MACH ±2 BEND ±2		MFG APPR.			
		TWO PLACE DECIMAL ±.01		Q.A.			
		THREE PLACE DECIMAL ±.005		COMMENTS:			
		THIRD ANGLE					
		MATERIAL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

DESCRIPTION:
2 Bar Mounted Frame Assy 8'

SIZE	PART NUMBER:	REV
B	124066	
WEIGHT: 125.67		SHEET 2 OF 2

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part 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		120436	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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		FRACTIONAL ±1/8	ENG APPR.		
		ANGULAR: MACH ±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		Alloy Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



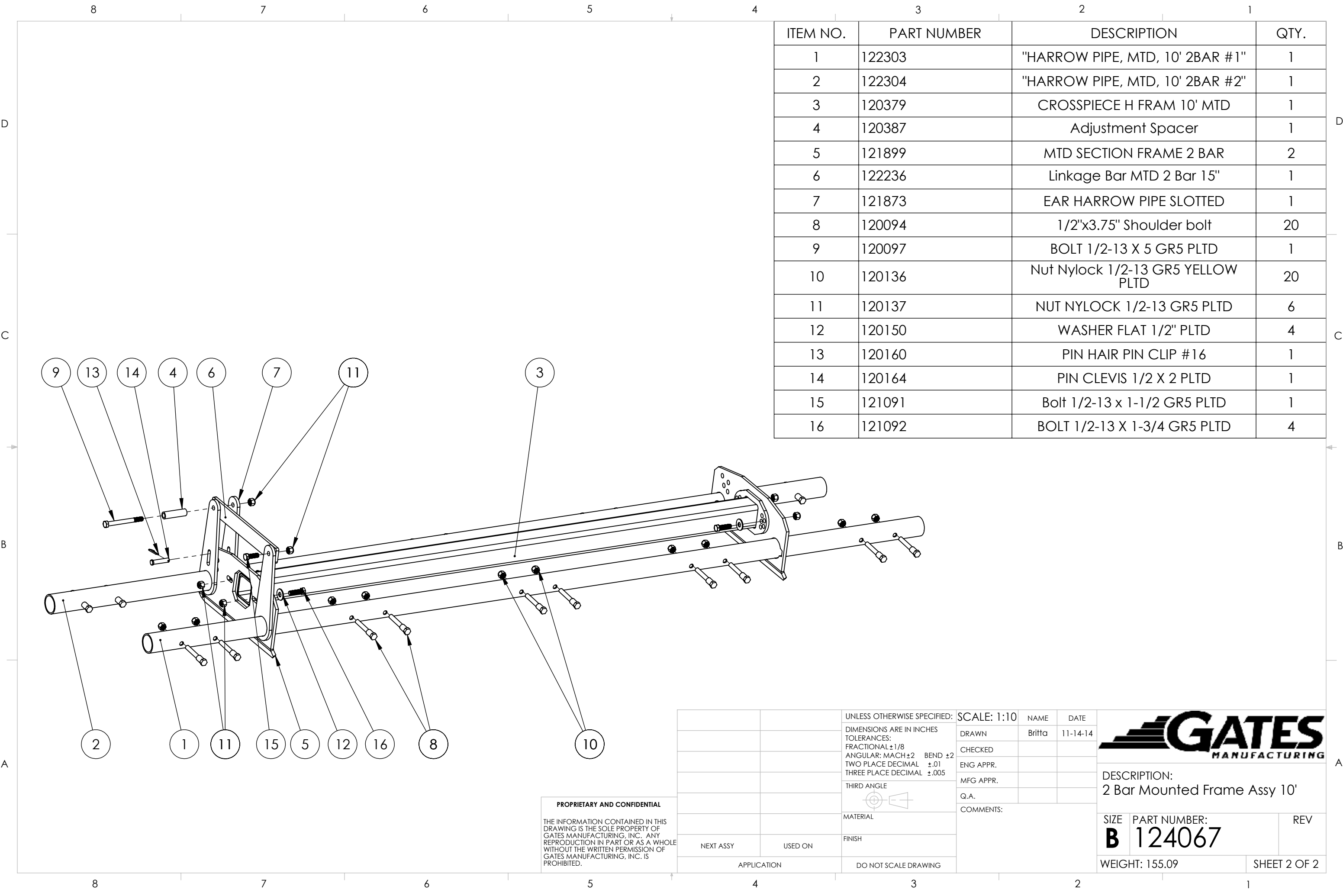
DESCRIPTION:
2 Bar, 10' Harrows

SIZE
B

PART NUMBER:
See Table

WEIGHT: 18.35

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	122303	"HARROW PIPE, MTD, 10' 2BAR #1"	1
2	122304	"HARROW PIPE, MTD, 10' 2BAR #2"	1
3	120379	CROSSPIECE H FRAM 10' MTD	1
4	120387	Adjustment Spacer	1
5	121899	MTD SECTION FRAME 2 BAR	2
6	122236	Linkage Bar MTD 2 Bar 15"	1
7	121873	EAR HARROW PIPE SLOTTED	1
8	120094	1/2"x3.75" Shoulder bolt	20
9	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
10	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	20
11	120137	NUT NYLOCK 1/2-13 GR5 PLTD	6
12	120150	WASHER FLAT 1/2" PLTD	4
13	120160	PIN HAIR PIN CLIP #16	1
14	120164	PIN CLEVIS 1/2 X 2 PLTD	1
15	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	1
16	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4

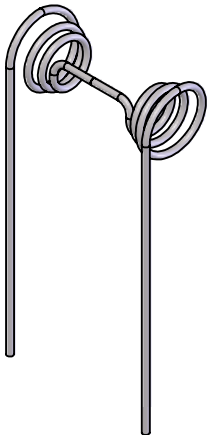
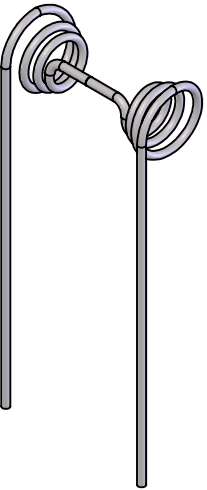
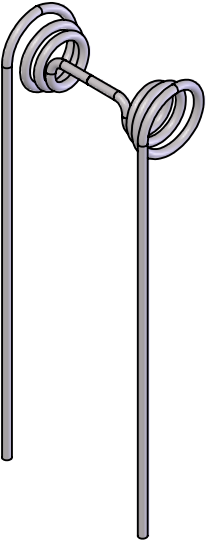
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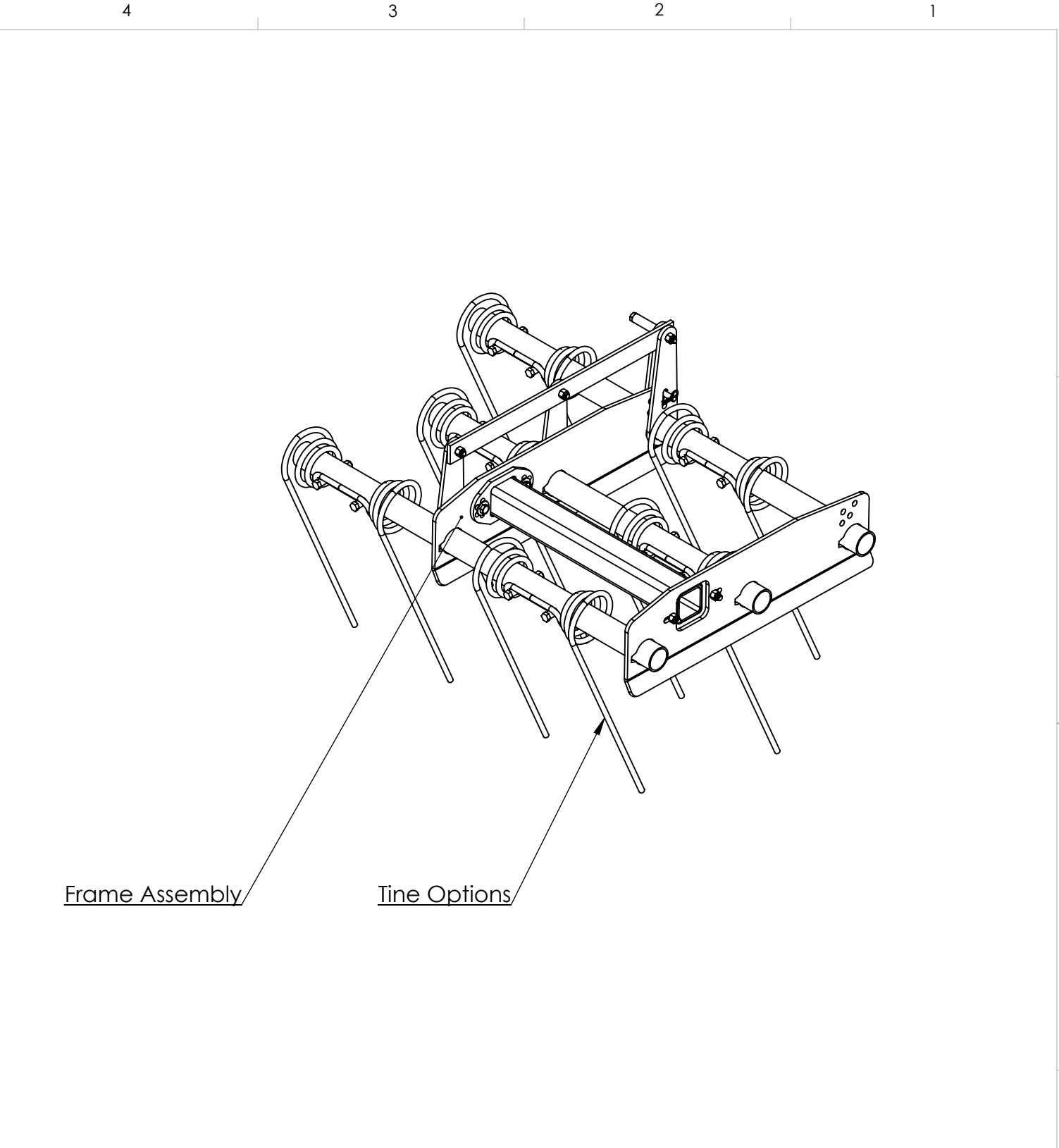
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		ANGULAR: MACH ±2 BEND ±2		MFG APPR.		
		TWO PLACE DECIMAL ±.01		Q.A.		
		THREE PLACE DECIMAL ±.005		COMMENTS:		
		THIRD ANGLE				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

DESCRIPTION:
2 Bar Mounted Frame Assy 10'

SIZE	PART NUMBER:	REV
B	124067	
WEIGHT: 155.09		SHEET 2 OF 2

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
123955	4 Foot, LEFT, 3-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120449	4' LEFT Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120450	4' LEFT Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120457	4' LEFT Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120458	4' LEFT Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120465	4' LEFT Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120466	4' LEFT Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines with Wear Tips



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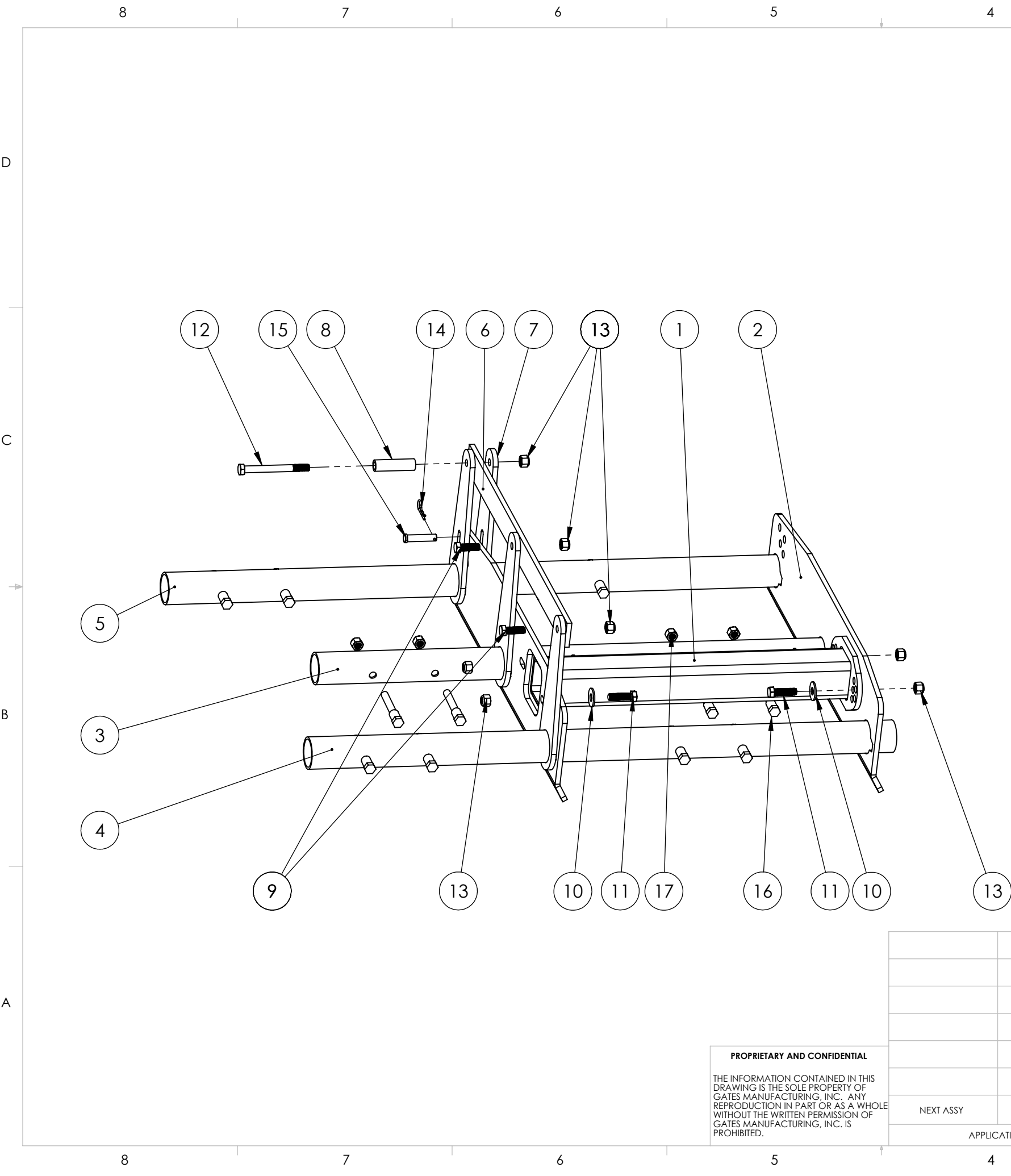
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		ANGULAR: MACH±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



DESCRIPTION:
3 Bar, 4' Harrows, LEFT

SIZE	PART NUMBER:
B	See Table

WEIGHT:	SHEET 1 OF 1
---------	--------------



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	123187	Mounted Crosspiece 4'	1
2	121902	3 Bar Mounted Section Frame Plate	2
3	122314	HARROW PIPE, MTD, 4' 3BAR #1 L	1
4	122316	HARROW PIPE, MTD, 4' 3BAR #2 L	1
5	122318	HARROW PIPE, MTD, 4' 3BAR #3 L	1
6	122238	3 Bar Mounted Linkage	1
7	121873	EAR HARROW PIPE SLOTTED	1
8	120387	Adjustment Spacer	1
9	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	2
10	120150	WASHER FLAT 1/2" PLTD	4
11	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
12	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
13	120137	NUT NYLOCK 1/2-13 GR5 PLTD	7
14	120160	PIN HAIR PIN CLIP #16	1
15	120164	PIN CLEVIS 1/2 X 2 PLTD	1
16	120094	1/2"x3.75" Shoulder bolt	12
17	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	12

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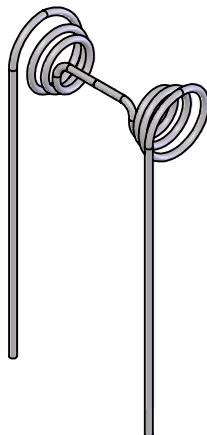
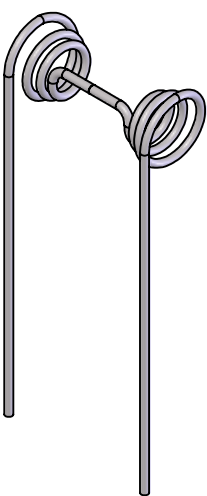
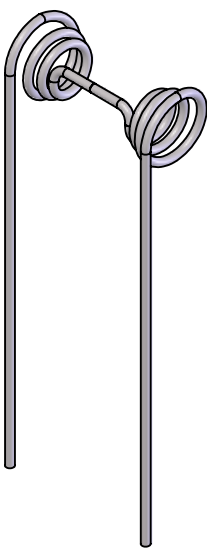
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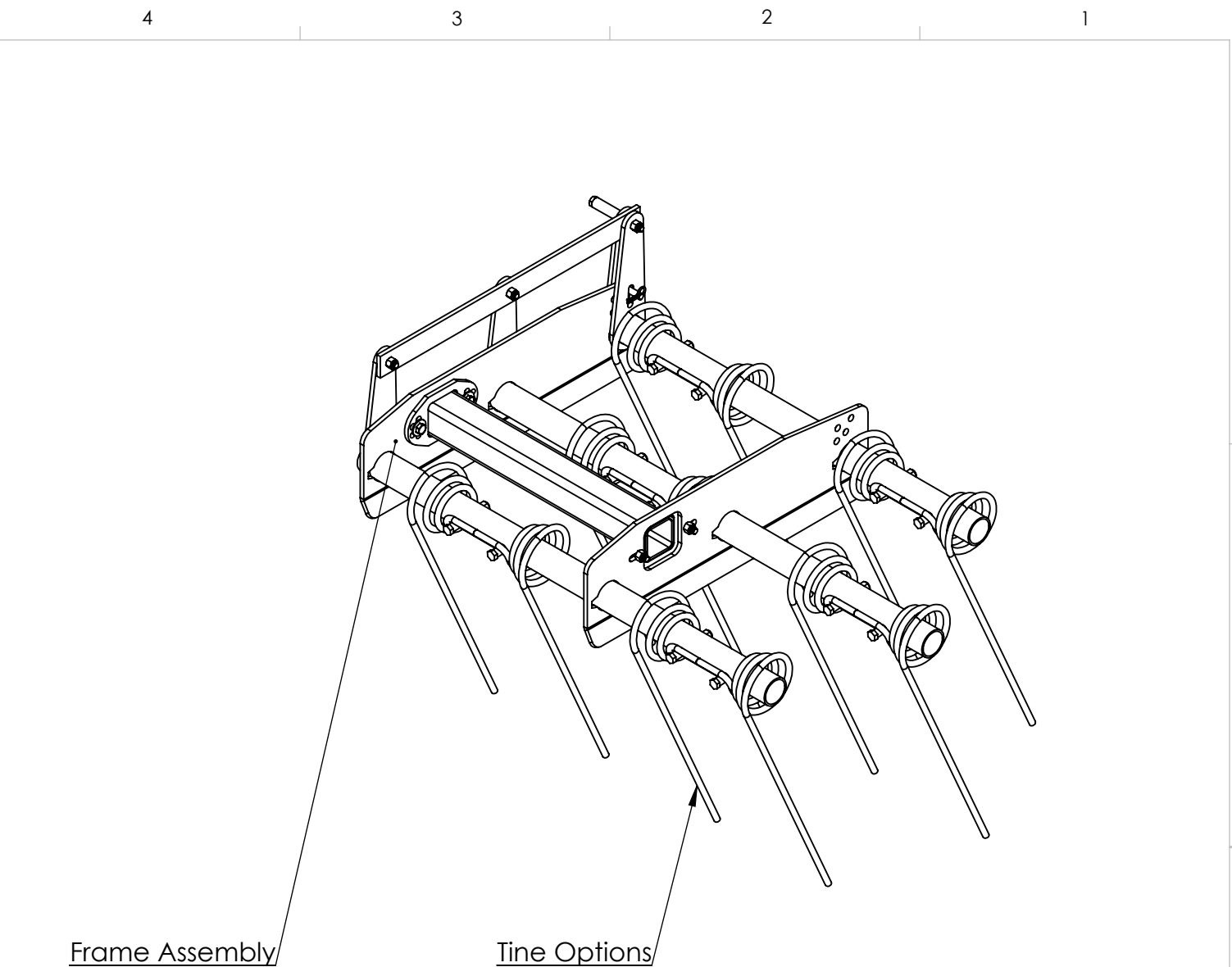
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		FRACTIONAL ±1/8		ENG APPR.			
		ANGULAR: MACH ±2 BEND ±2		MFG APPR.			
		TWO PLACE DECIMAL ±.01		Q.A.			
		THREE PLACE DECIMAL ±.005		COMMENTS:			
		THIRD ANGLE					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE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

DESCRIPTION:
3 Bar Mounted Frame Assy 4' Left

SIZE	PART NUMBER:	REV
B	123955	

WEIGHT: 86.52	SHEET 2 OF 2
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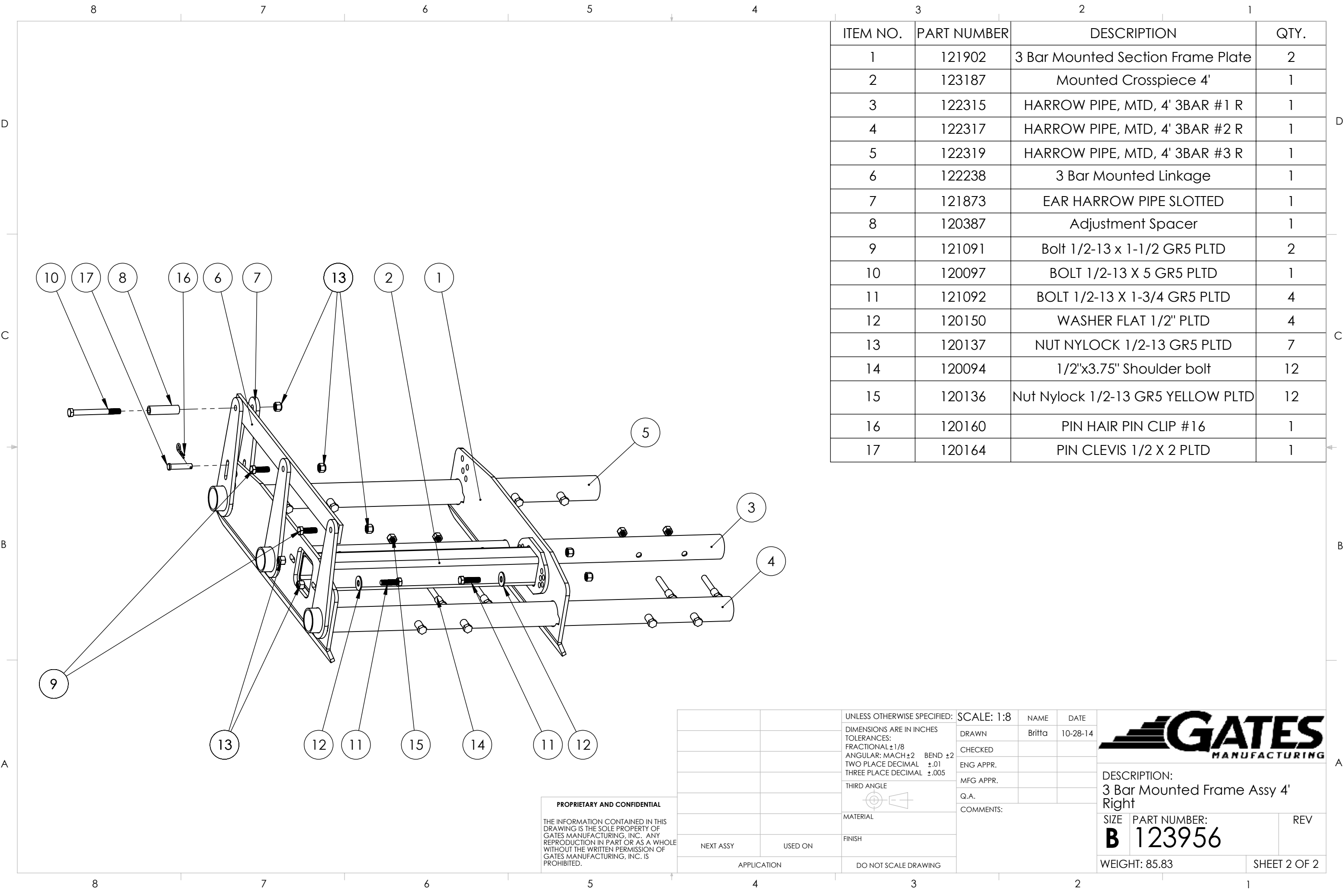
8		7		6		5	
Frame Assembly		Tine Options				Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description	
123956	4 Foot, RIGHT, 3-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		123954	4' RIGHT Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines	
		120231	1/2" x 22" Wear Tip Harrow Tine		123961	4' RIGHT Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines with Wear Tips	
		120240	9/16" x 26" Harrow Tine		123994	4' RIGHT Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines	
		120241	9/16" x 26" Wear Tip Harrow Tine		123996	4' RIGHT Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines with Wear Tips	
		120230	5/8" x 30" Harrow Tine		123991	4' RIGHT Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines	
		120229	5/8" x 30" Wear Tip Harrow Tine		123992	4' RIGHT Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines with Wear Tips	



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		DIMENSIONS ARE IN INCHES	DRAWN			
		TOLERANCES:	CHECKED			
		FRACTIONAL ±1/8	ENG APPR.			
		ANGULAR: MACH±2 BEND ±2	MFG APPR.			
		TWO PLACE DECIMAL ±.01	Q.A.			DESCRIPTION: 3 Bar, 4' Harrows, RIGHT
		THREE PLACE DECIMAL ±.005	COMMENTS:			
		THIRD ANGLE				SIZE PART NUMBER:
						B See Table
		MATERIAL				WEIGHT:
		FINISH				SHEET 1 OF 1
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	121902	3 Bar Mounted Section Frame Plate	2
2	123187	Mounted Crosspiece 4'	1
3	122315	HARROW PIPE, MTD, 4' 3BAR #1 R	1
4	122317	HARROW PIPE, MTD, 4' 3BAR #2 R	1
5	122319	HARROW PIPE, MTD, 4' 3BAR #3 R	1
6	122238	3 Bar Mounted Linkage	1
7	121873	EAR HARROW PIPE SLOTTED	1
8	120387	Adjustment Spacer	1
9	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	2
10	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
11	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
12	120150	WASHER FLAT 1/2" PLTD	4
13	120137	NUT NYLOCK 1/2-13 GR5 PLTD	7
14	120094	1/2"x3.75" Shoulder bolt	12
15	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	12
16	120160	PIN HAIR PIN CLIP #16	1
17	120164	PIN CLEVIS 1/2 X 2 PLTD	1

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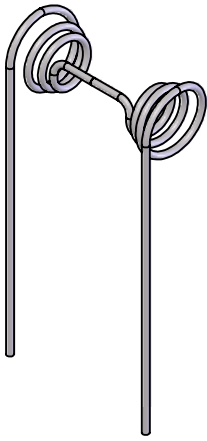
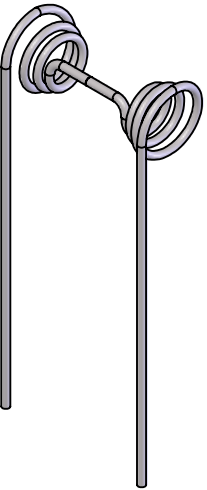
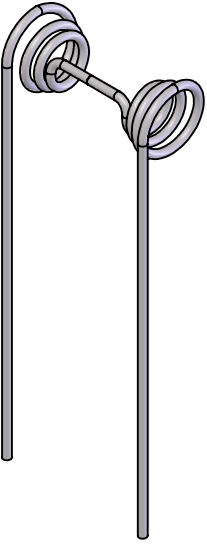
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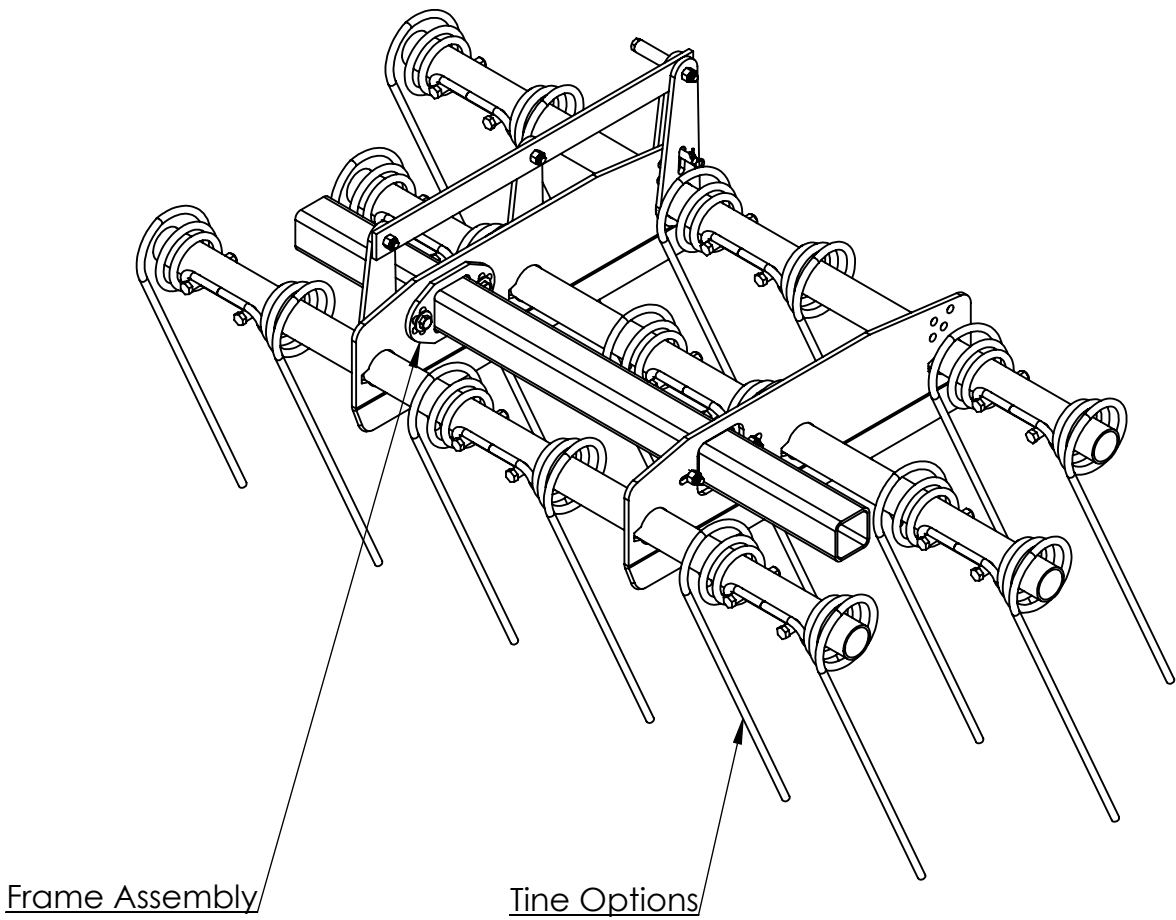
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		ANGULAR: MACH ± 2 BEND ± 2	MFG APPR.		
		TWO PLACE DECIMAL $\pm .01$	Q.A.		
		THREE PLACE DECIMAL $\pm .005$	COMMENTS:		
		THIRD ANGLE			
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

DESCRIPTION:
3 Bar Mounted Frame Assy 4'
Right

SIZE	PART NUMBER:	REV
B	123956	

WEIGHT: 85.83	SHEET 2 OF 2
---------------	--------------

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
123957	6 Foot 3-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120451	6' Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120452	6' Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120459	6' Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120460	6' Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120467	6' Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120468	6' Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines with Wear Tips



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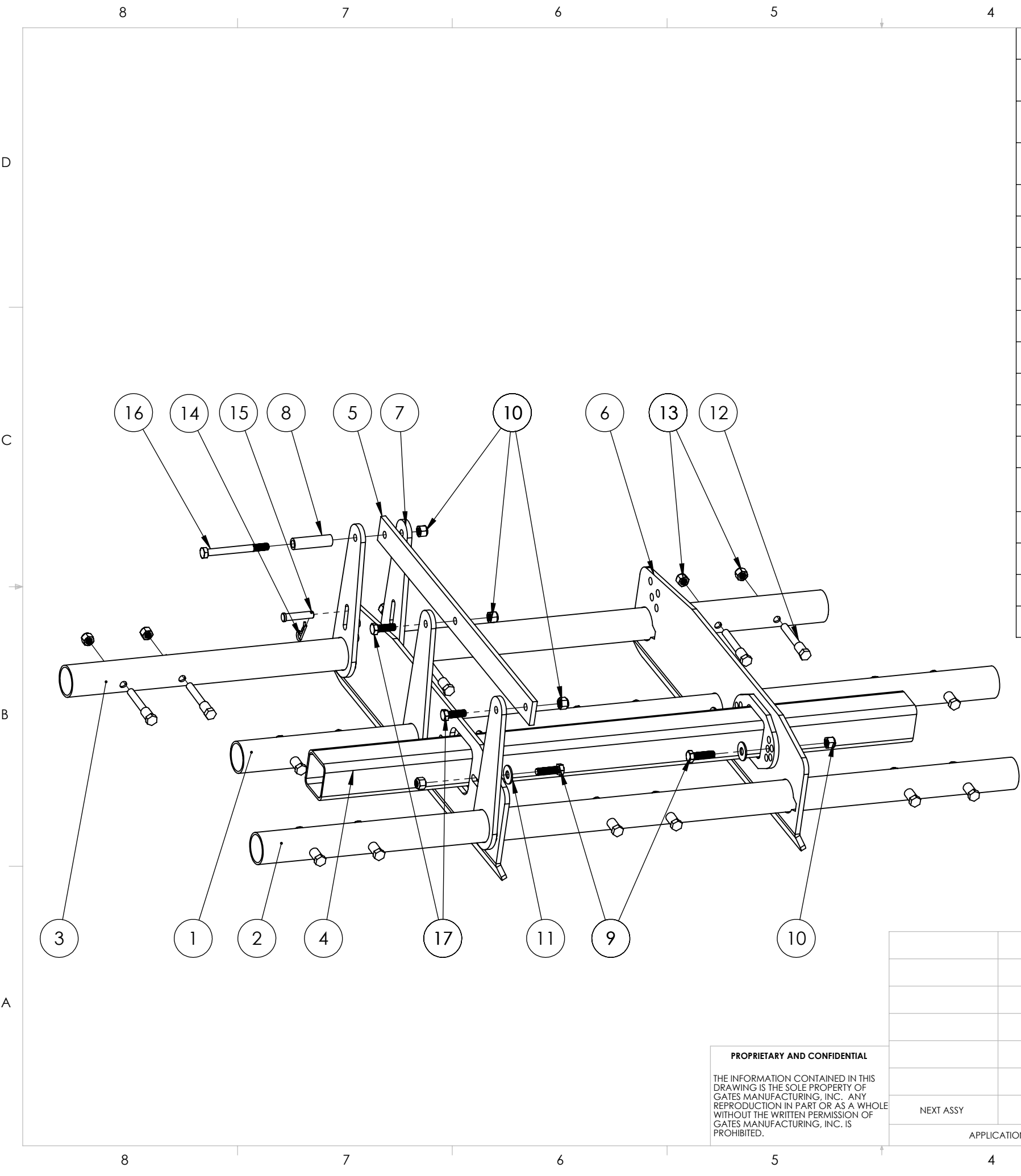
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		ANGULAR: MACH ±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



DESCRIPTION:
3 Bar, 6' Harrows

SIZE PART NUMBER:
B See Table

WEIGHT: SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	122287	HARROW PIPE, MTD, 6' 3 BAR#1..MIDDLE	1
2	122288	HARROW PIPE, MTD, 6' 3 BAR#2..FRONT	1
3	122289	HARROW PIPE, MTD, 6' 3 BAR#3..REAR	1
4	120381	CROSSPIECE H FRAM 6' MTD	1
5	122238	3 Bar Mounted Linkage	1
6	121902	3 Bar Mounted Section Frame Plate	2
7	121873	EAR HARROW PIPE SLOTTED	1
8	120387	Adjustment Spacer	1
9	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
10	120137	NUT NYLOCK 1/2-13 GR5 PLTD	7
11	120150	WASHER FLAT 1/2" PLTD	4
12	120094	1/2"x3.75" Shoulder bolt	18
13	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	18
14	120160	PIN HAIR PIN CLIP #16	1
15	120164	PIN CLEVIS 1/2 X 2 PLTD	1
16	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
17	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	2

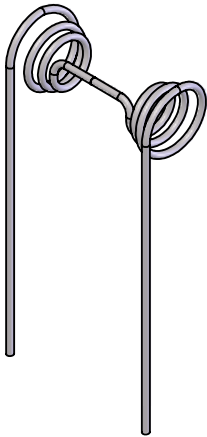
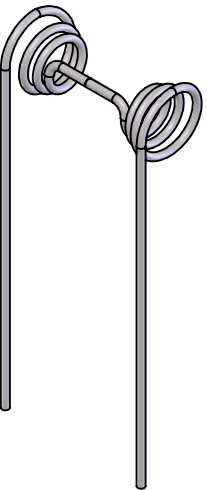
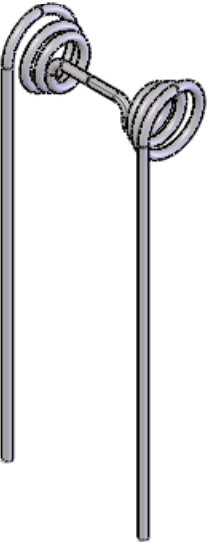
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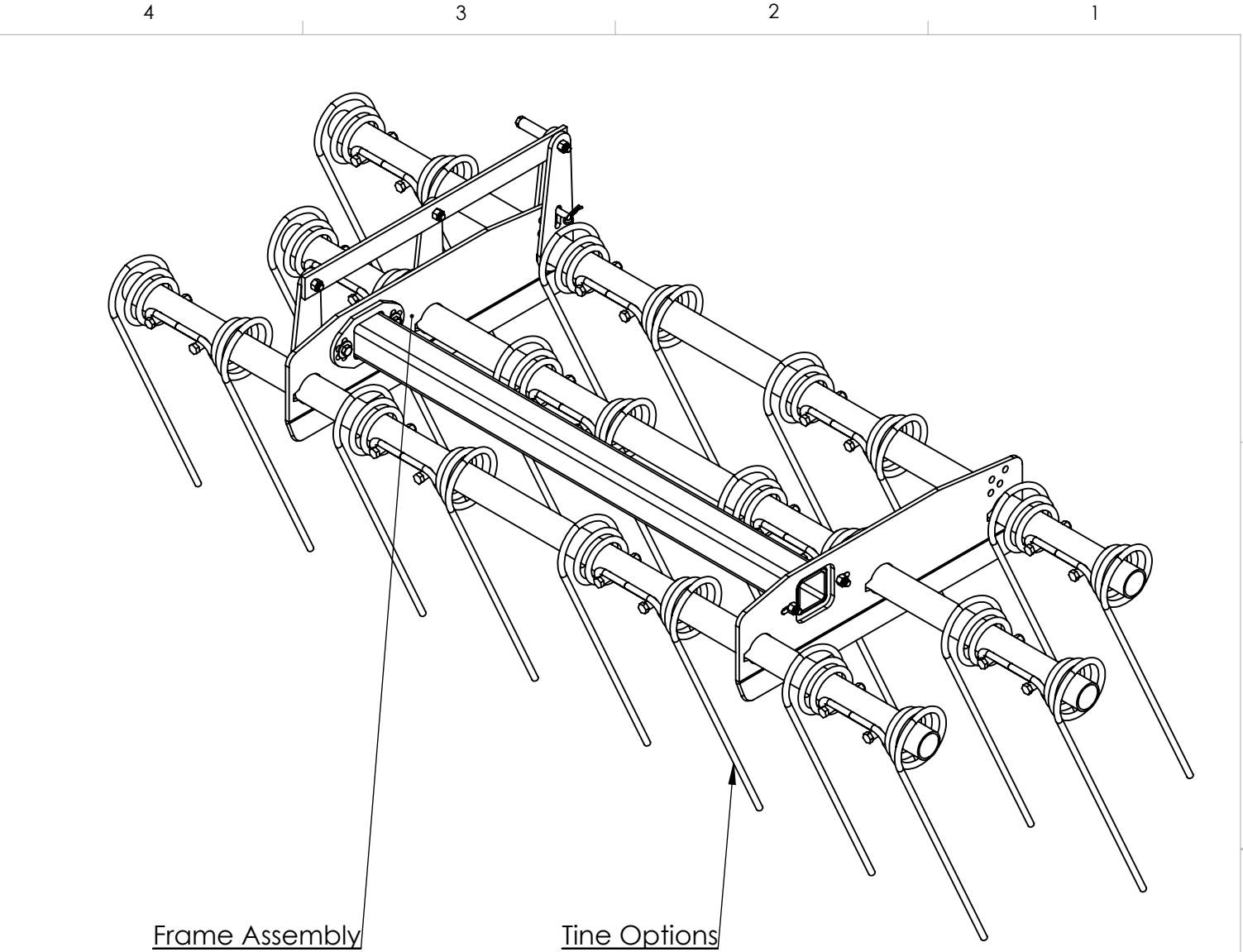
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		TOLERANCES:		CHECKED			
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		ANGULAR: MACH ±2 BEND ±2		MFG APPR.			
		TWO PLACE DECIMAL ±.01		Q.A.			
		THREE PLACE DECIMAL ±.005		COMMENTS:			
		THIRD ANGLE					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					

DESCRIPTION:
3 Bar Mounted Frame Assy 6'

SIZE	PART NUMBER:	REV
B	123957	
WEIGHT: 116.91		SHEET 2 OF 3

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
123958	8 Foot 3-Bar Mounted Frame Assembly	120232	1/2" x 22" Harrow Tine		120453	8' Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120454	8' Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120461	8' Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120462	8' Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120469	8' Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120470	8' Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines with Wear Tips



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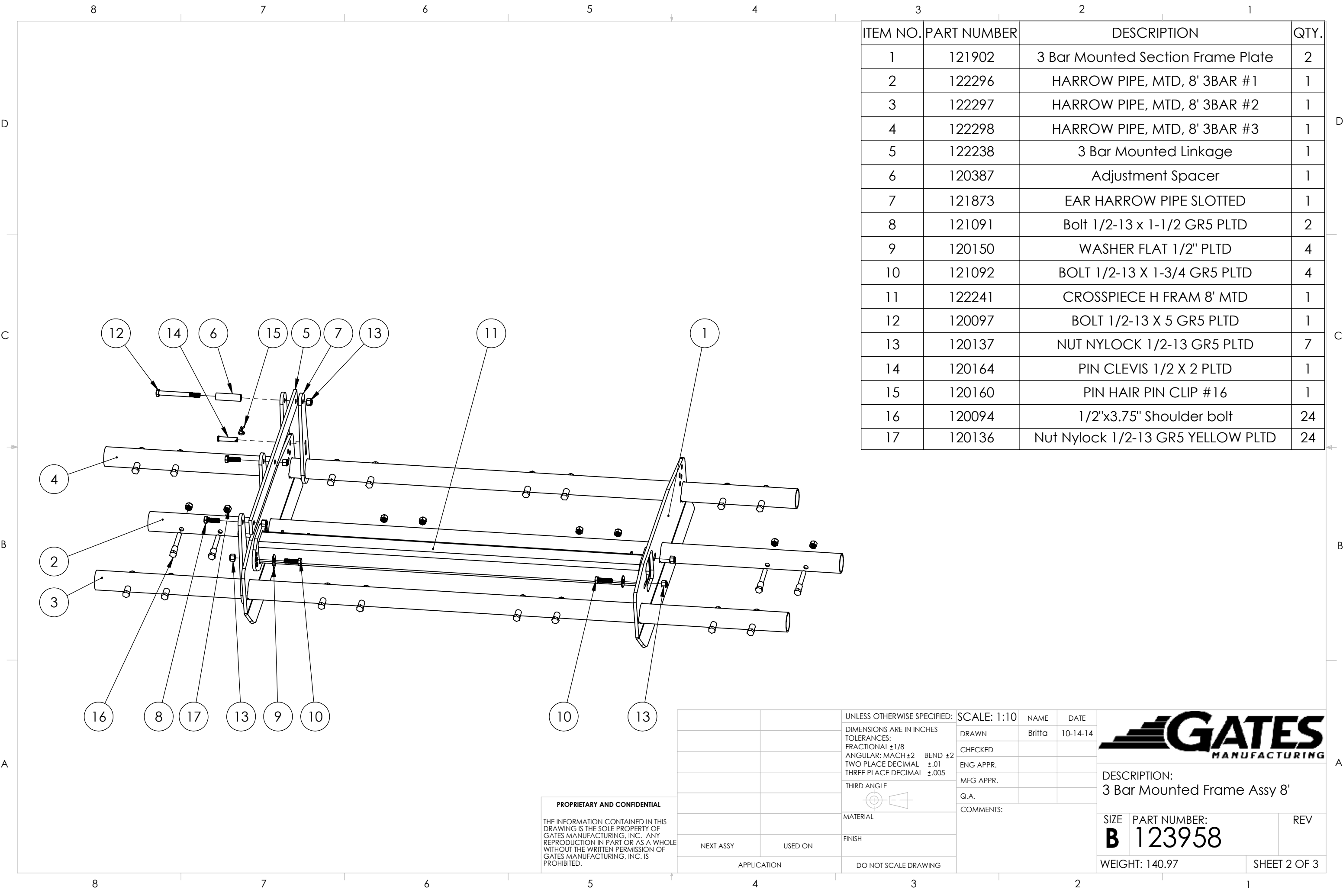
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		ANGULAR: MACH ±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



DESCRIPTION:
3 Bar, 8'Harrows

SIZE	PART NUMBER:
B	See Table

WEIGHT: 361.14	SHEET 2 OF 2
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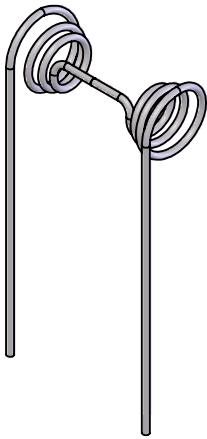
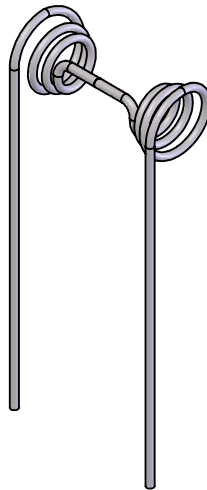
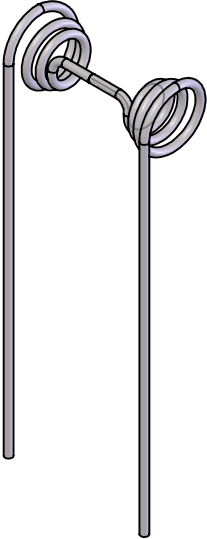
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	121902	3 Bar Mounted Section Frame Plate	2
2	122296	HARROW PIPE, MTD, 8' 3BAR #1	1
3	122297	HARROW PIPE, MTD, 8' 3BAR #2	1
4	122298	HARROW PIPE, MTD, 8' 3BAR #3	1
5	122238	3 Bar Mounted Linkage	1
6	120387	Adjustment Spacer	1
7	121873	EAR HARROW PIPE SLOTTED	1
8	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	2
9	120150	WASHER FLAT 1/2" PLTD	4
10	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
11	122241	CROSSPIECE H FRAM 8' MTD	1
12	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
13	120137	NUT NYLOCK 1/2-13 GR5 PLTD	7
14	120164	PIN CLEVIS 1/2 X 2 PLTD	1
15	120160	PIN HAIR PIN CLIP #16	1
16	120094	1/2"x3.75" Shoulder bolt	24
17	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	24

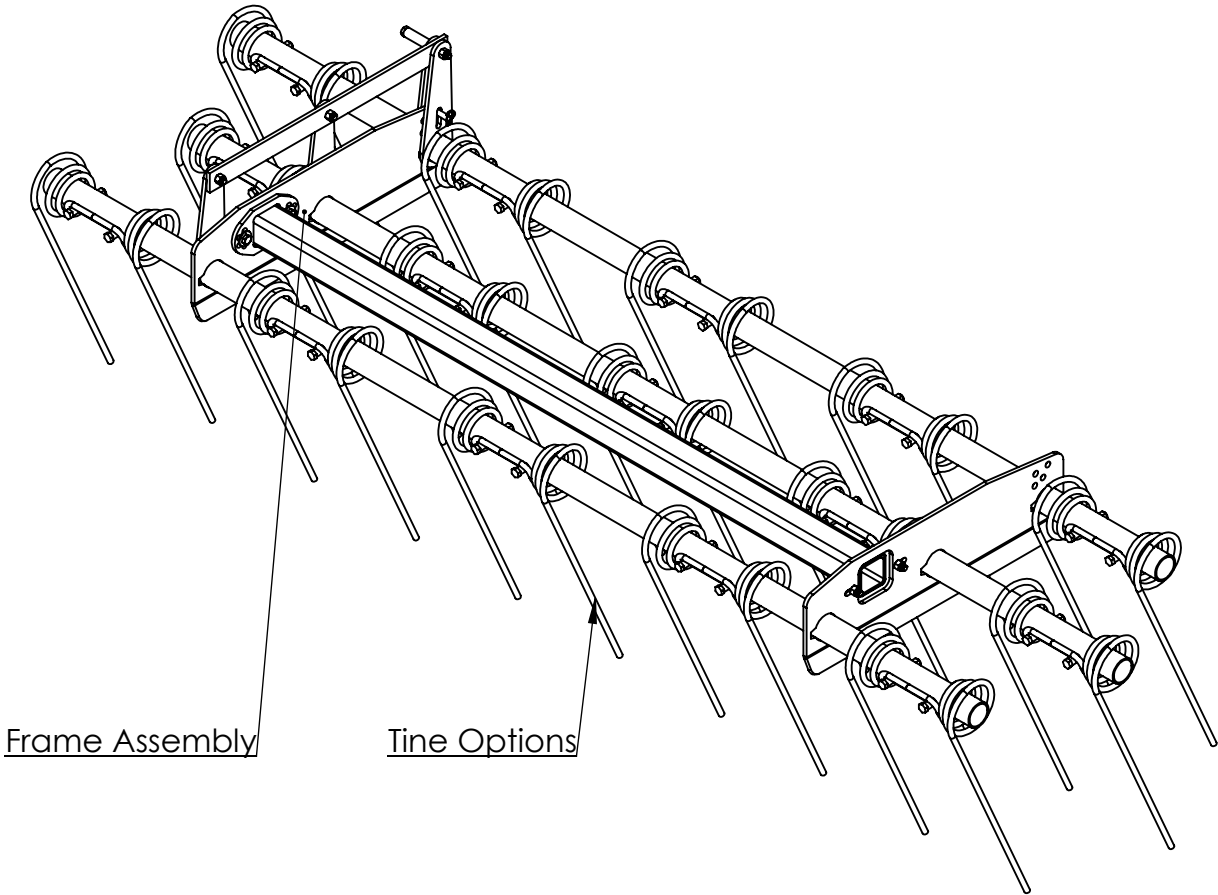
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		DIMENSIONS ARE IN INCHES		DRAWN		Britta	10-14-14
		TOLERANCES:		CHECKED			
		FRACTIONAL ±1/8		ENG APPR.			
		ANGULAR: MACH ±2 BEND ±2		MFG APPR.			
		TWO PLACE DECIMAL ±.01		Q.A.			
		THREE PLACE DECIMAL ±.005		COMMENTS:			
		THIRD ANGLE					
		MATERIAL					
		FINISH					
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					

DESCRIPTION: 3 Bar Mounted Frame Assy 8'		
SIZE	PART NUMBER:	REV
B	123958	
WEIGHT: 140.97		SHEET 2 OF 3

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
123959	10 Foot 3-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120455	10' Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120456	10' Gates Mounted Magnum Harrow..3 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120463	10' Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120464	10' Gates Mounted Magnum Harrow..3 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120471	10' Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120472	10' Gates Mounted Magnum Harrow..3 Bar 5/8" x 30" Tines with Wear Tips



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		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



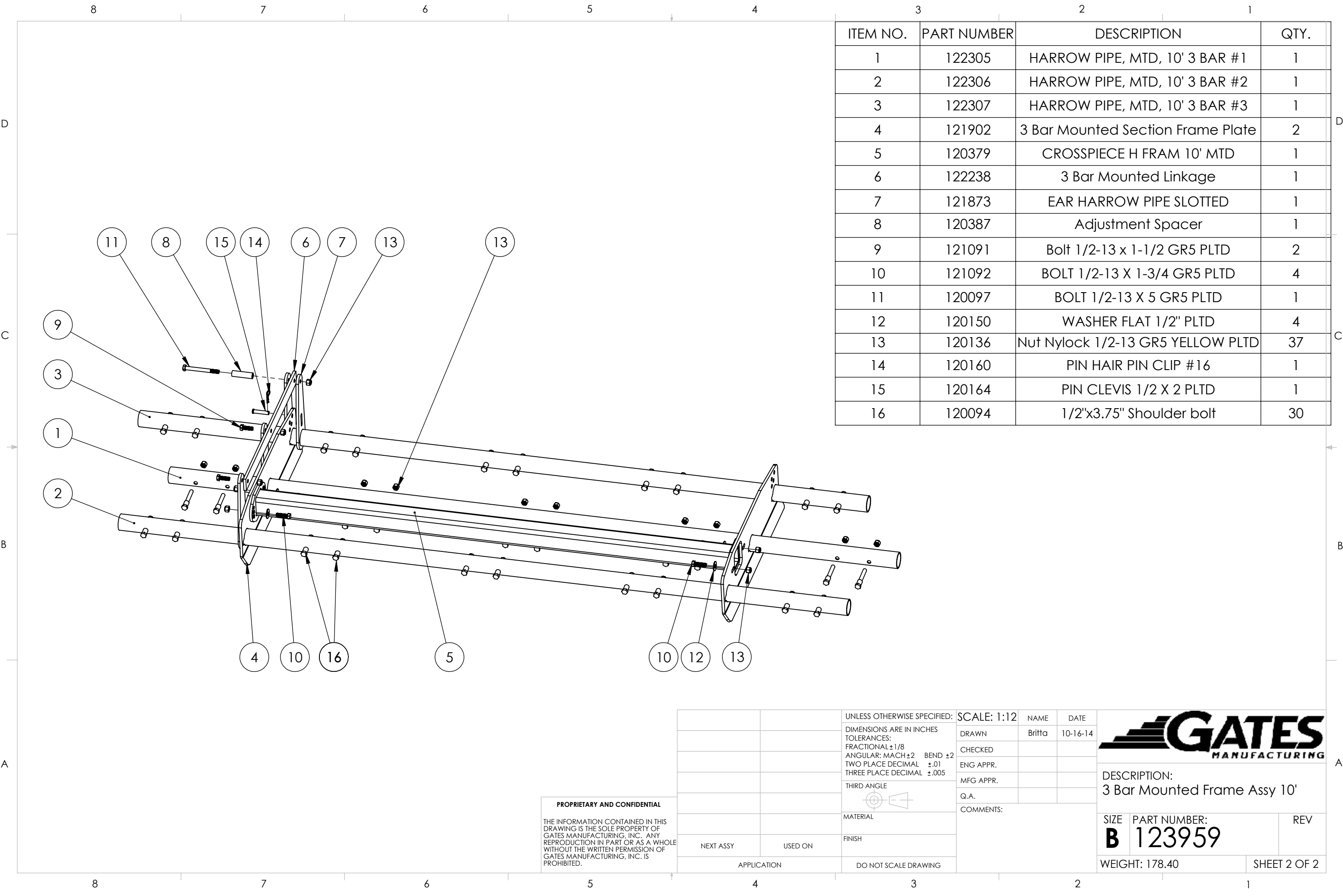
DESCRIPTION:
3 Bar, 10' Harrows

SIZE
B

PART NUMBER:
See Table

WEIGHT: 453.62

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	122305	HARROW PIPE, MTD, 10' 3 BAR #1	1
2	122306	HARROW PIPE, MTD, 10' 3 BAR #2	1
3	122307	HARROW PIPE, MTD, 10' 3 BAR #3	1
4	121902	3 Bar Mounted Section Frame Plate	2
5	120379	CROSSPIECE H FRAM 10' MTD	1
6	122238	3 Bar Mounted Linkage	1
7	121873	EAR HARROW PIPE SLOTTED	1
8	120387	Adjustment Spacer	1
9	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	2
10	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
11	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
12	120150	WASHER FLAT 1/2" PLTD	4
13	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	37
14	120160	PIN HAIR PIN CLIP #16	1
15	120164	PIN CLEVIS 1/2 X 2 PLTD	1
16	120094	1/2"x3.75" Shoulder bolt	30

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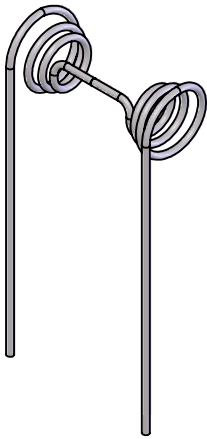
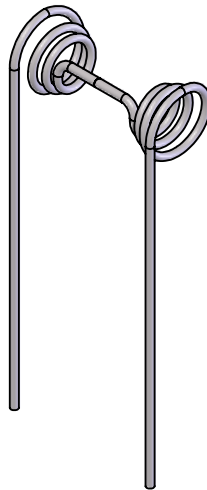
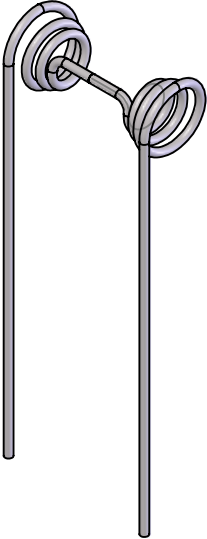
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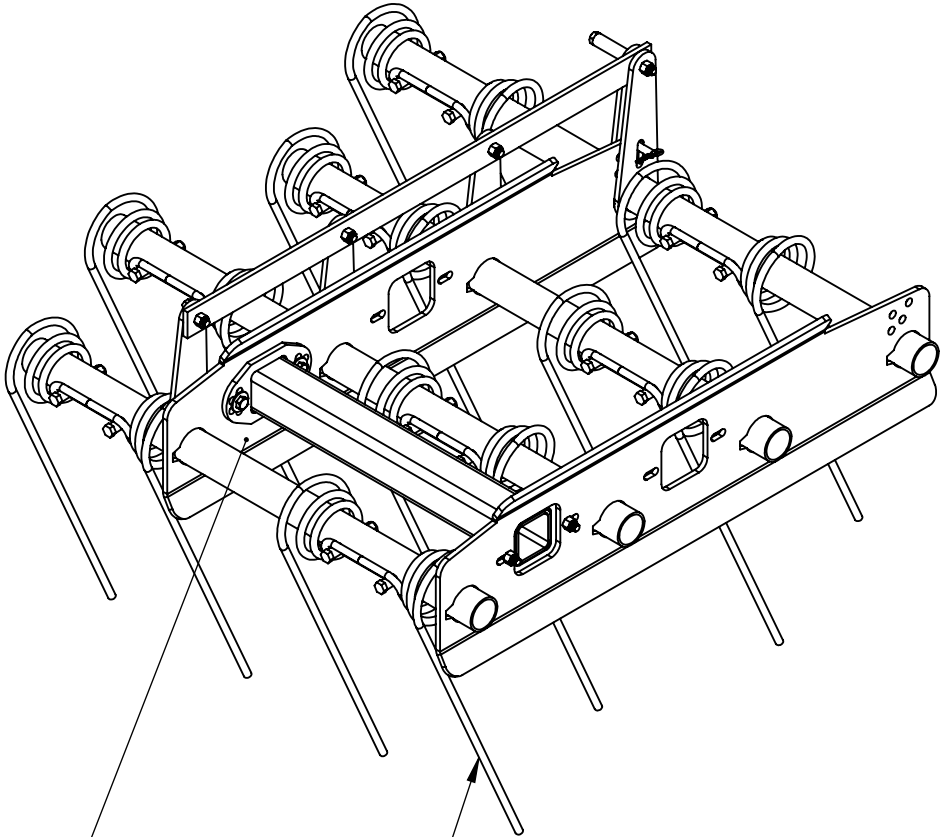
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		ANGULAR: MACH ±2 BEND ±2		MFG APPR.		
		TWO PLACE DECIMAL ±.01		Q.A.		
		THREE PLACE DECIMAL ±.005		COMMENTS:		
		THIRD ANGLE				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

DESCRIPTION:
3 Bar Mounted Frame Assy 10'

SIZE	PART NUMBER:	REV
B	123959	

WEIGHT: 178.40	SHEET 2 OF 2
----------------	--------------

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
124003	4 Foot, LEFT, 4-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120473	4' LEFT Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120474	4' LEFT Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120481	4' LEFT Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120482	4' LEFT Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120490	4' LEFT Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120491	4' LEFT Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines with Wear Tips



Frame Assembly

Tine Options

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		UNLESS OTHERWISE SPECIFIED:	SCALE: 1:12	NAME	DATE
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		TOLERANCES:	CHECKED		
		FRACTIONAL ±1/8	ENG APPR.		
		ANGULAR: MACH ±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		Alloy Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



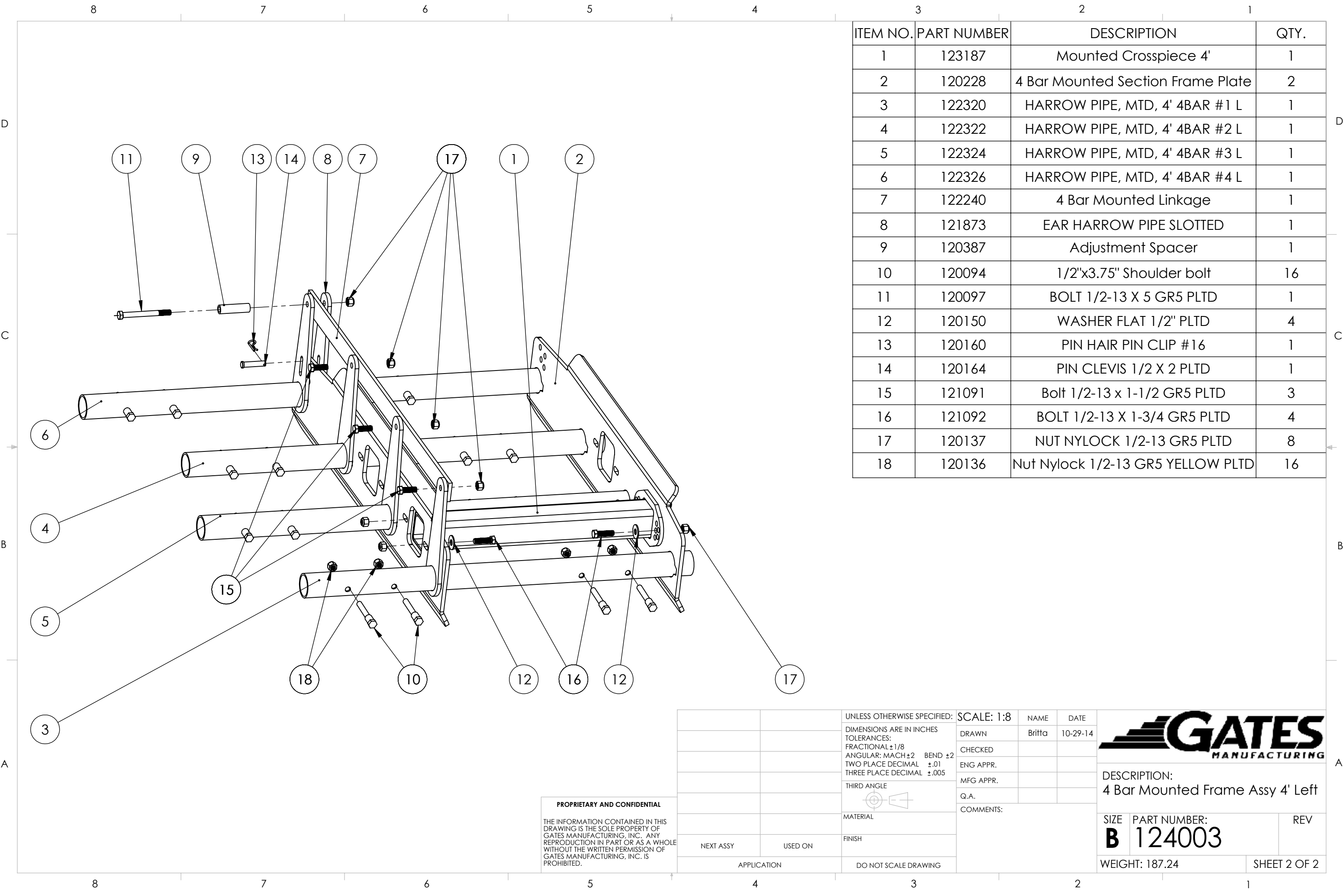
DESCRIPTION:
4 Bar, 4' Harrows, LEFT

SIZE
B

PART NUMBER:
See Table

WEIGHT: 18.35

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	123187	Mounted Crosspiece 4'	1
2	120228	4 Bar Mounted Section Frame Plate	2
3	122320	HARROW PIPE, MTD, 4' 4BAR #1 L	1
4	122322	HARROW PIPE, MTD, 4' 4BAR #2 L	1
5	122324	HARROW PIPE, MTD, 4' 4BAR #3 L	1
6	122326	HARROW PIPE, MTD, 4' 4BAR #4 L	1
7	122240	4 Bar Mounted Linkage	1
8	121873	EAR HARROW PIPE SLOTTED	1
9	120387	Adjustment Spacer	1
10	120094	1/2"x3.75" Shoulder bolt	16
11	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
12	120150	WASHER FLAT 1/2" PLTD	4
13	120160	PIN HAIR PIN CLIP #16	1
14	120164	PIN CLEVIS 1/2 X 2 PLTD	1
15	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	3
16	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
17	120137	NUT NYLOCK 1/2-13 GR5 PLTD	8
18	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	16

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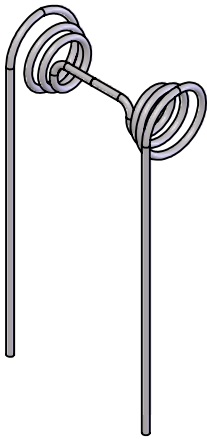
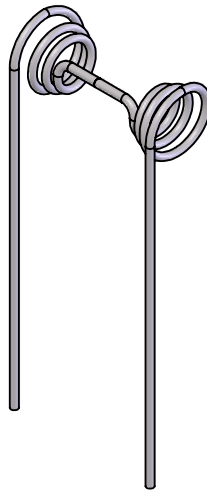
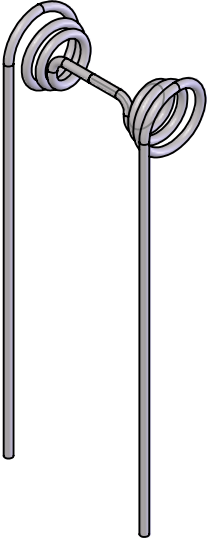
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			DRAWN	Britta	10-29-14
			CHECKED		
			ENG APPR.		
			MFG APPR.		
			Q.A.		
			COMMENTS:		
		MATERIAL			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

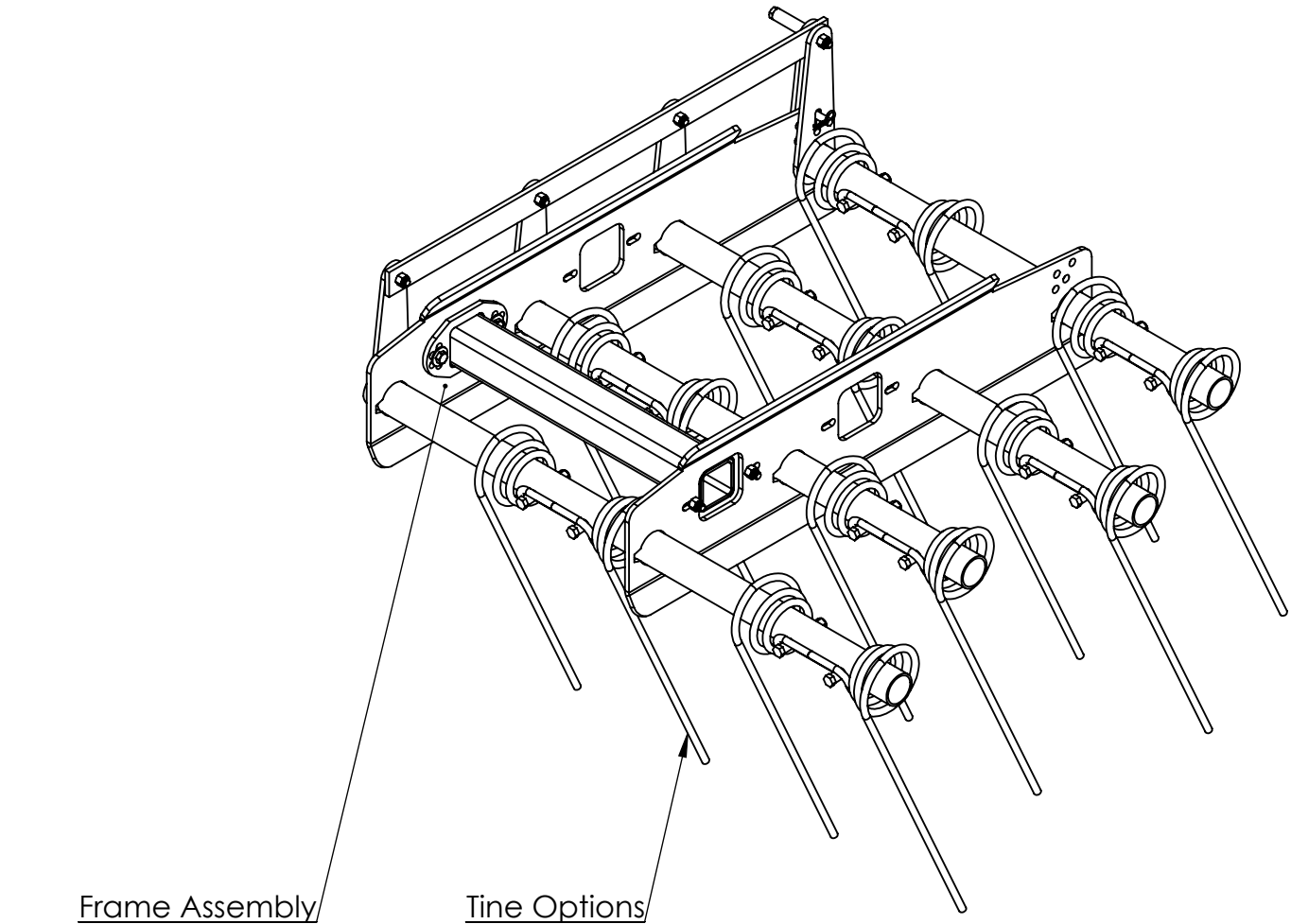


DESCRIPTION:
4 Bar Mounted Frame Assy 4' Left

SIZE	PART NUMBER:	REV
B	124003	

WEIGHT: 187.24	SHEET 2 OF 2
----------------	--------------

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
124004	4 Foot, RIGHT, 4-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		124008	4' RIGHT Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		124010	4' RIGHT Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		124016	4' RIGHT Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		124018	4' RIGHT Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		124014	4' RIGHT Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		124015	4' RIGHT Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines with Wear Tips



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		UNLESS OTHERWISE SPECIFIED:	SCALE: 1:12	NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Britta	10-3-14
		TOLERANCES:	CHECKED		
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		ANGULAR: MACH ±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		Alloy Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



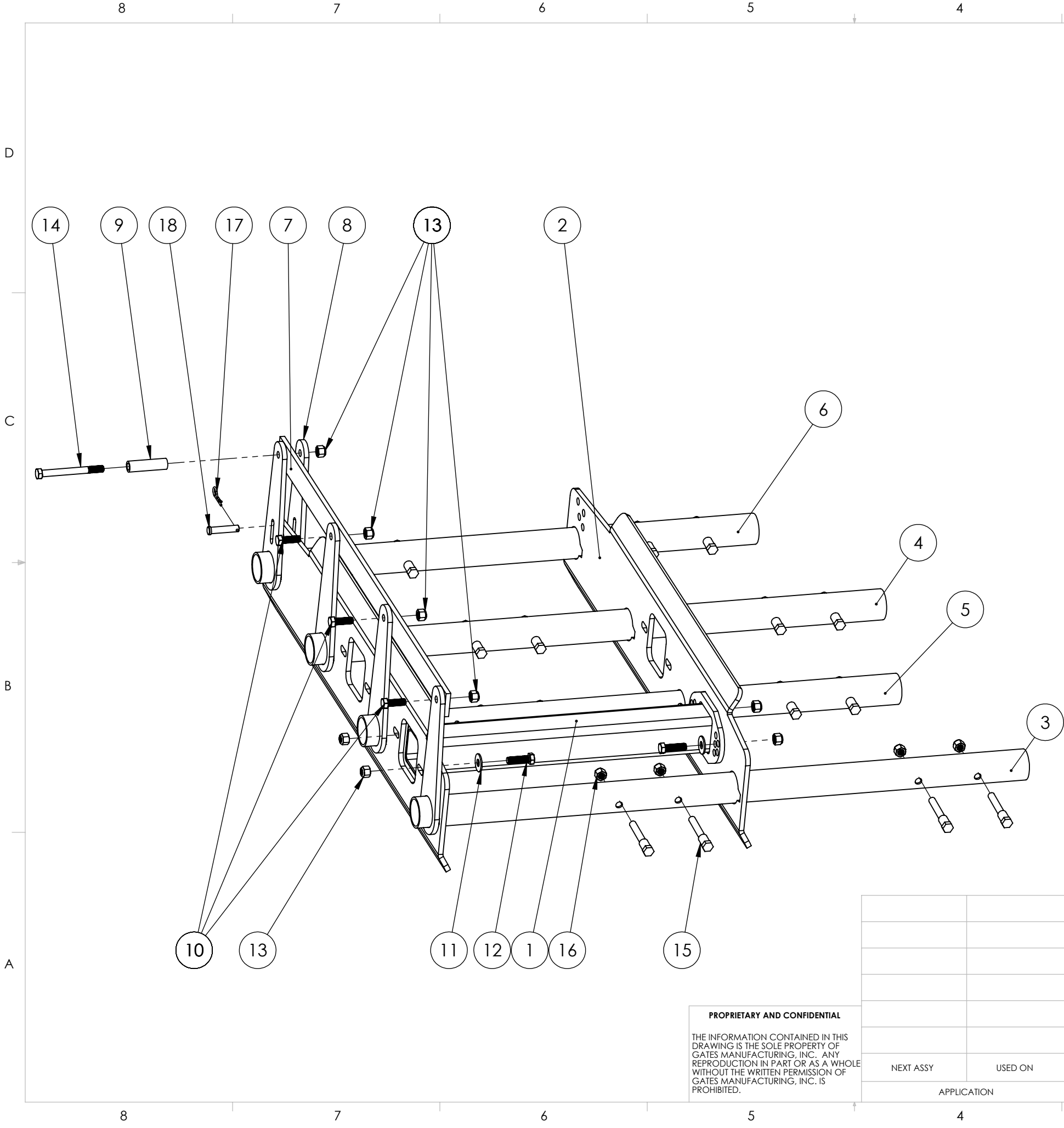
DESCRIPTION:
4 Bar, 4' Harrows, RIGHT

SIZE
B

PART NUMBER:
See Table

WEIGHT: 18.35

SHEET 1 OF 1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	123187	Mounted Crosspiece 4'	1
2	120228	4 Bar Mounted Section Frame Plate	2
3	122321	HARROW PIPE, MTD, 4' 4BAR #1 R	1
4	122323	HARROW PIPE, MTD, 4' 4BAR #2 R	1
5	122325	HARROW PIPE, MTD, 4' 4BAR #3 R	1
6	122327	HARROW PIPE, MTD, 4' 4BAR #4 R	1
7	122240	4 Bar Mounted Linkage	1
8	121873	EAR HARROW PIPE SLOTTED	1
9	120387	Adjustment Spacer	1
10	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	3
11	120150	WASHER FLAT 1/2" PLTD	4
12	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
13	120137	NUT NYLOCK 1/2-13 GR5 PLTD	8
14	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
15	120094	1/2"x3.75" Shoulder bolt	16
16	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	16
17	120160	PIN HAIR PIN CLIP #16	1
18	120164	PIN CLEVIS 1/2 X 2 PLTD	1

PROPRIETARY AND CONFIDENTIAL

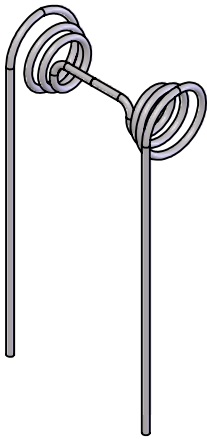
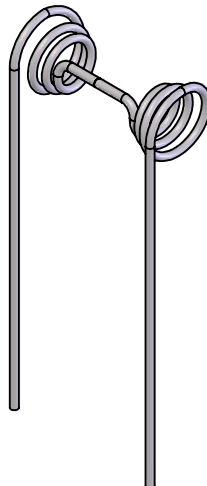
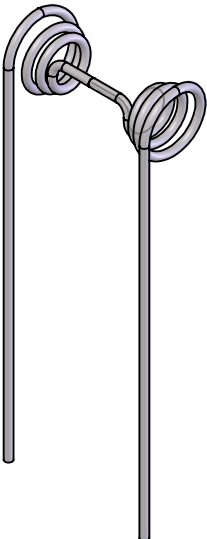
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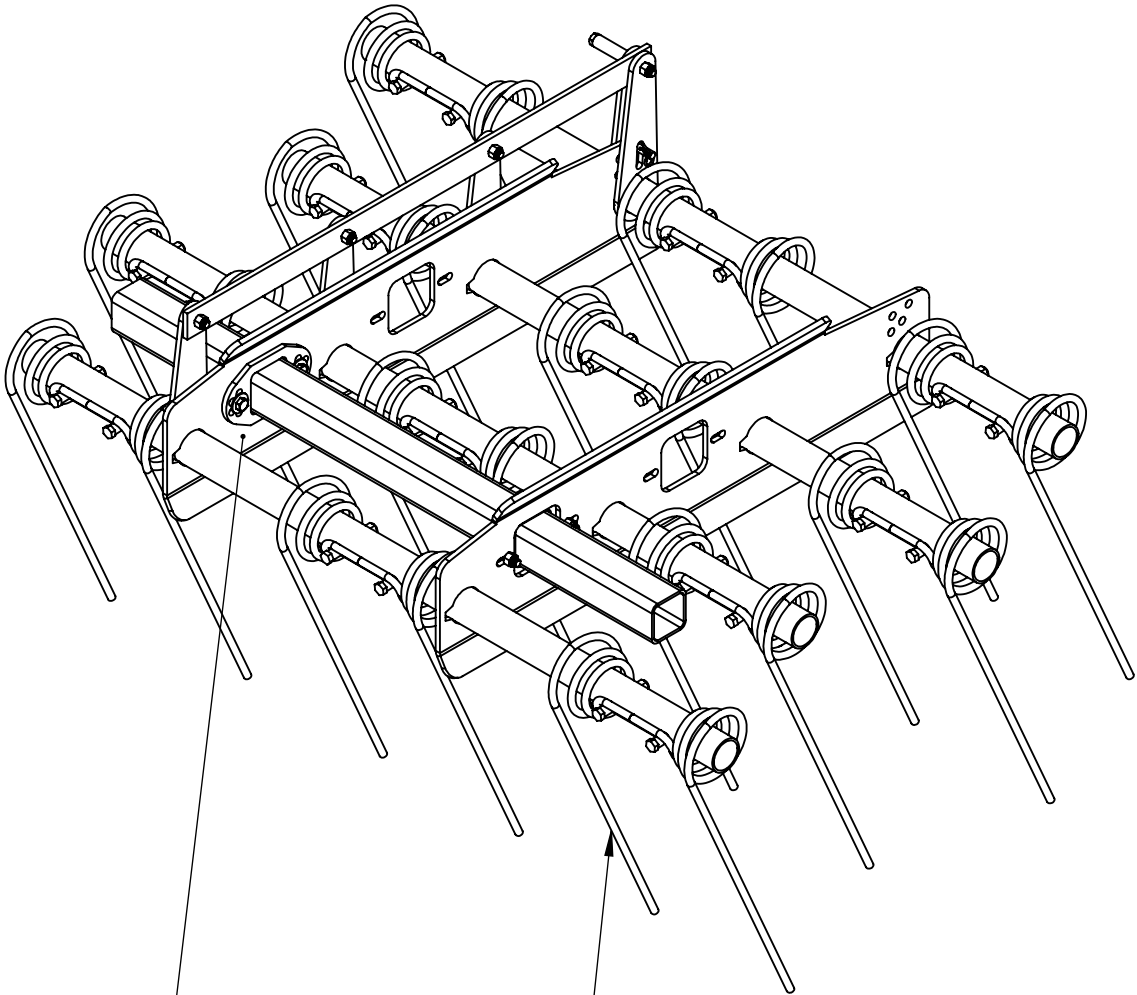
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		ANGULAR: MACH ±2		MFG APPR.		
		BEND ±2		Q.A.		
		TWO PLACE DECIMAL ±.01		COMMENTS:		
		THREE PLACE DECIMAL ±.005				
		THIRD ANGLE				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

DESCRIPTION:
4 Bar Mounted Frame Assy 4' Right

SIZE	PART NUMBER:	REV
B	124004	

WEIGHT: 187.55	SHEET 2 OF 2
----------------	--------------

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
124005	6 Foot 4-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120475	6' Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120476	6' Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120483	6' Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120484	6' Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120492	6' Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120493	6' Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines with Wear Tips



		UNLESS OTHERWISE SPECIFIED:	SCALE: 1:12	NAME	DATE
		DIMENSIONS ARE IN INCHES	DRAWN	Britta	10-3-14
		TOLERANCES:	CHECKED		
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		ANGULAR: MACH±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		Alloy Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

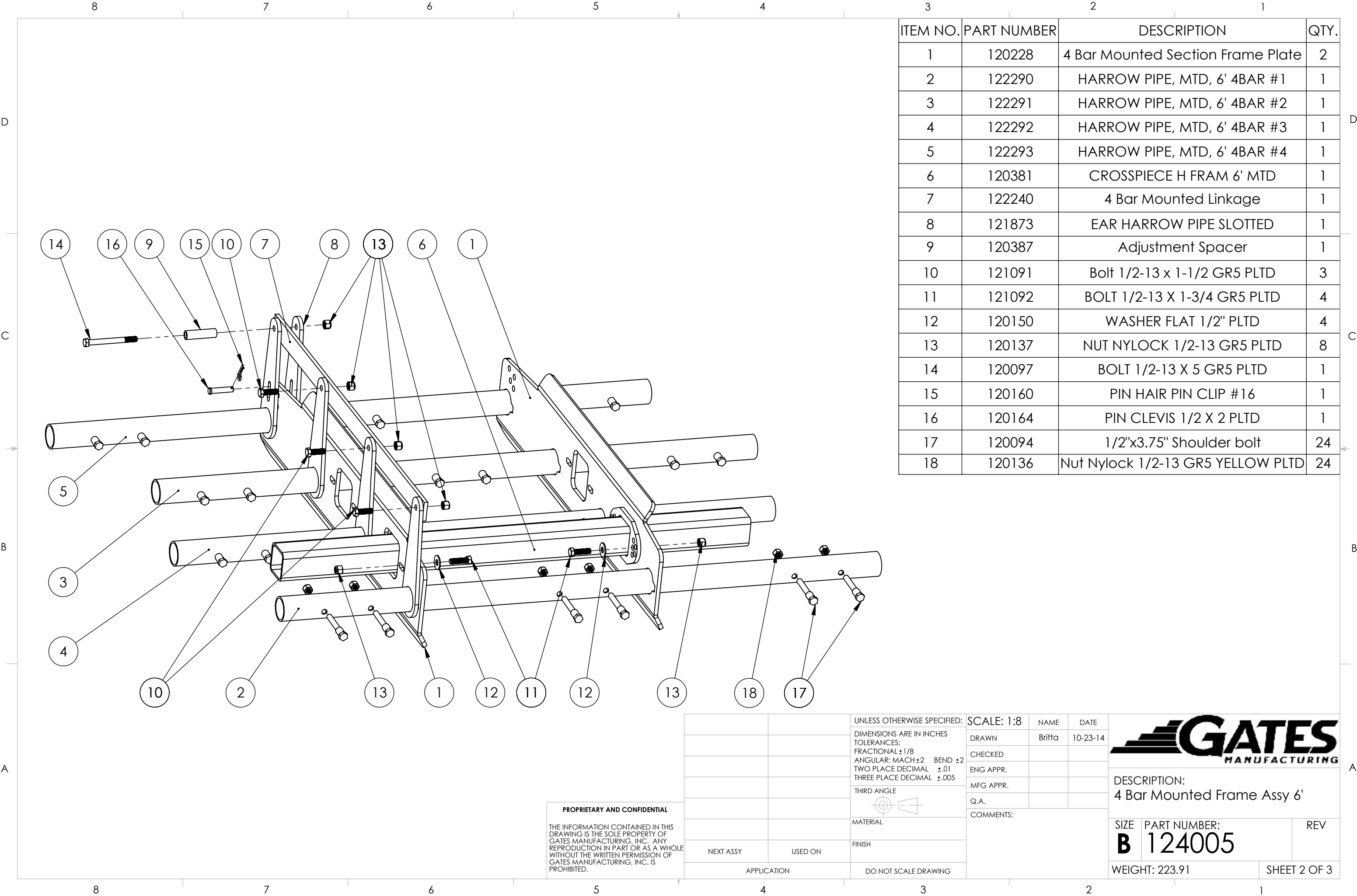


DESCRIPTION:
4 Bar, 6' Harrows

SIZE	PART NUMBER:
B	See Table
WEIGHT: 18.35	
SHEET 1 OF 1	

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ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120228	4 Bar Mounted Section Frame Plate	2
2	122290	HARROW PIPE, MTD, 6' 4BAR #1	1
3	122291	HARROW PIPE, MTD, 6' 4BAR #2	1
4	122292	HARROW PIPE, MTD, 6' 4BAR #3	1
5	122293	HARROW PIPE, MTD, 6' 4BAR #4	1
6	120381	CROSSPIECE H FRAM 6' MTD	1
7	122240	4 Bar Mounted Linkage	1
8	121873	EAR HARROW PIPE SLOTTED	1
9	120387	Adjustment Spacer	1
10	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	3
11	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
12	120150	WASHER FLAT 1/2" PLTD	4
13	120137	NUT NYLOCK 1/2-13 GR5 PLTD	8
14	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
15	120160	PIN HAIR PIN CLIP #16	1
16	120164	PIN CLEVIS 1/2 X 2 PLTD	1
17	120094	1/2"x3.75" Shoulder bolt	24
18	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	24

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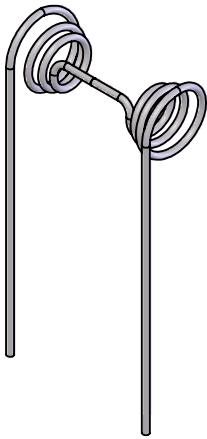
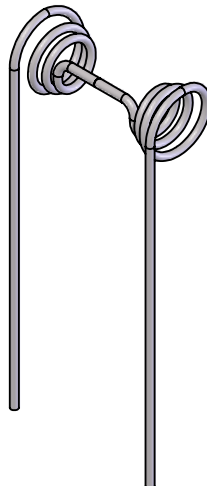
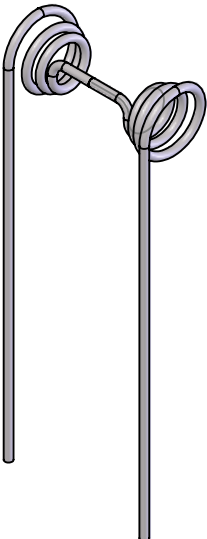
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			CHECKED		
			ENG APPR.		
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			COMMENTS:		
NEXT ASSY		USED ON	MATERIAL		
APPLICATION			FINISH		
			DO NOT SCALE DRAWING		

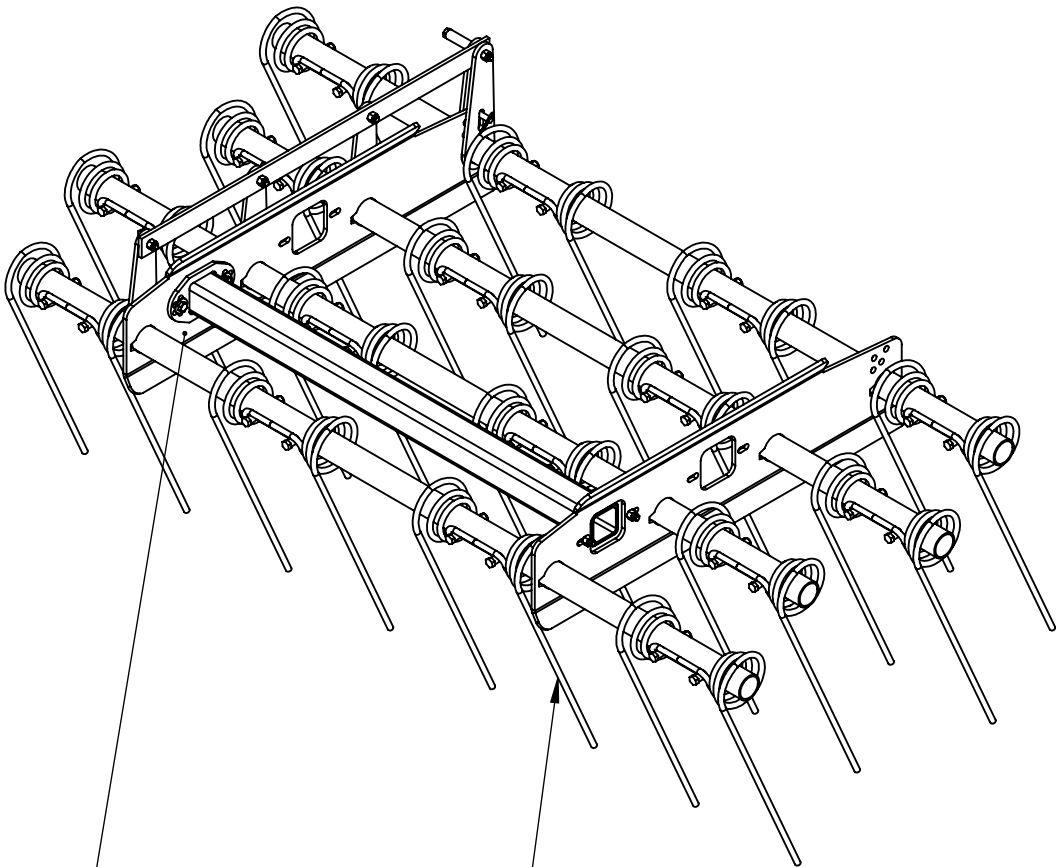


DESCRIPTION:
4 Bar Mounted Frame Assy 6'

SIZE	PART NUMBER:	REV
B	124005	

WEIGHT: 223.91	SHEET 2 OF 3
----------------	--------------

Frame Assembly		Tine Options			Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description		Part Number	Description
124006	8 Foot 4-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine		120477	8' Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine		120478	8' Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine		120485	8' Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine		120486	8' Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine		120494	8' Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine		120495	8' Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines with Wear Tips



Frame Assembly

Tine Options

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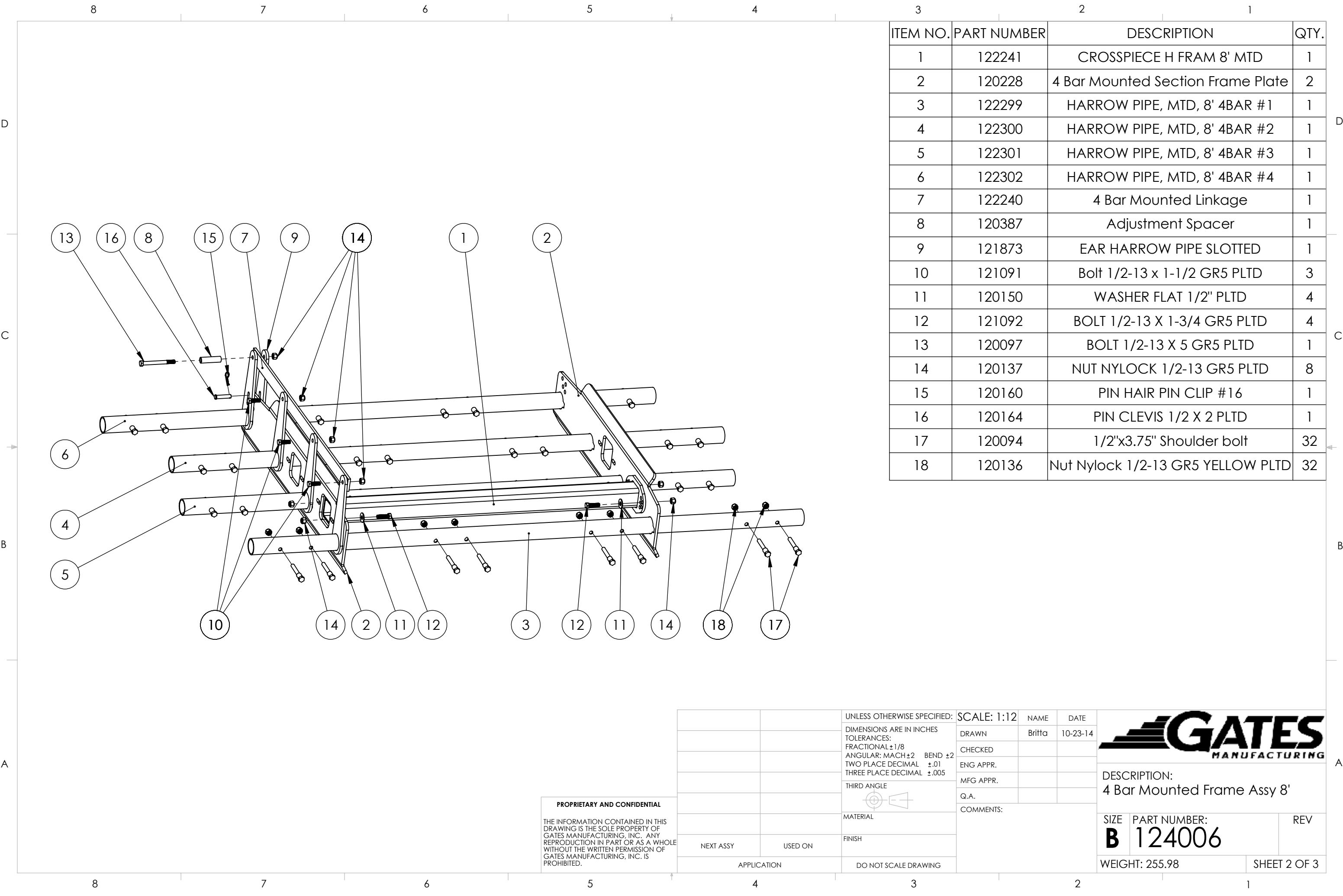
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		ANGULAR: MACH ±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
					
		MATERIAL			
		Alloy Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			



DESCRIPTION:
4 Bar, 8' Harrows

SIZE	PART NUMBER:	REV
B	See Table	

WEIGHT: 18.35	SHEET 1 OF 1
---------------	--------------



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	122241	CROSSPIECE H FRAM 8' MTD	1
2	120228	4 Bar Mounted Section Frame Plate	2
3	122299	HARROW PIPE, MTD, 8' 4BAR #1	1
4	122300	HARROW PIPE, MTD, 8' 4BAR #2	1
5	122301	HARROW PIPE, MTD, 8' 4BAR #3	1
6	122302	HARROW PIPE, MTD, 8' 4BAR #4	1
7	122240	4 Bar Mounted Linkage	1
8	120387	Adjustment Spacer	1
9	121873	EAR HARROW PIPE SLOTTED	1
10	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	3
11	120150	WASHER FLAT 1/2" PLTD	4
12	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
13	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
14	120137	NUT NYLOCK 1/2-13 GR5 PLTD	8
15	120160	PIN HAIR PIN CLIP #16	1
16	120164	PIN CLEVIS 1/2 X 2 PLTD	1
17	120094	1/2"x3.75" Shoulder bolt	32
18	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	32

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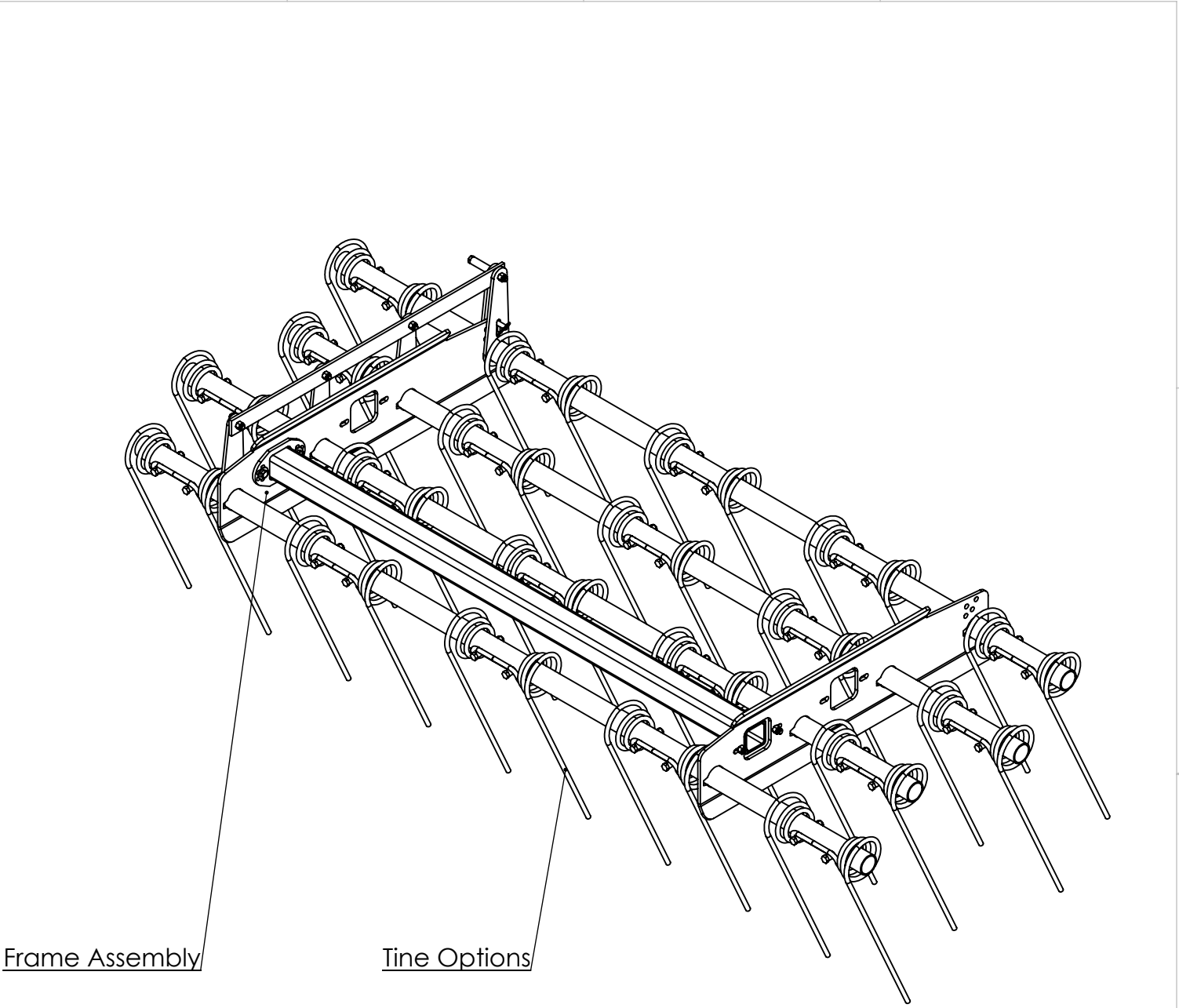
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		ANGULAR: MACH ±2 BEND ±2		MFG APPR.		
		TWO PLACE DECIMAL ±.01		Q.A.		
		THREE PLACE DECIMAL ±.005		COMMENTS:		
		THIRD ANGLE				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

DESCRIPTION:
4 Bar Mounted Frame Assy 8'

SIZE	PART NUMBER:	REV
B	124006	

WEIGHT: 255.98	SHEET 2 OF 3
----------------	--------------

Frame Assembly		Tine Options		Gates Mounted Magnum Harrow Part Number	
Part Number	Description	Part Number	Description	Part Number	Description
124007	10 Foot 4-Bar Mounted Frame Assembly	120232	1/2 " x 22" Harrow Tine	120479	10' Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines
		120231	1/2" x 22" Wear Tip Harrow Tine	120480	10' Gates Mounted Magnum Harrow..4 Bar 1/2" x 22" Tines with Wear Tips
		120240	9/16" x 26" Harrow Tine	120487	10' Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines
		120241	9/16" x 26" Wear Tip Harrow Tine	120488	10' Gates Mounted Magnum Harrow..4 Bar 9/16" x 26" Tines with Wear Tips
		120230	5/8" x 30" Harrow Tine	120496	10' Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines
		120229	5/8" x 30" Wear Tip Harrow Tine	120497	10' Gates Mounted Magnum Harrow..4 Bar 5/8" x 30" Tines with Wear Tips



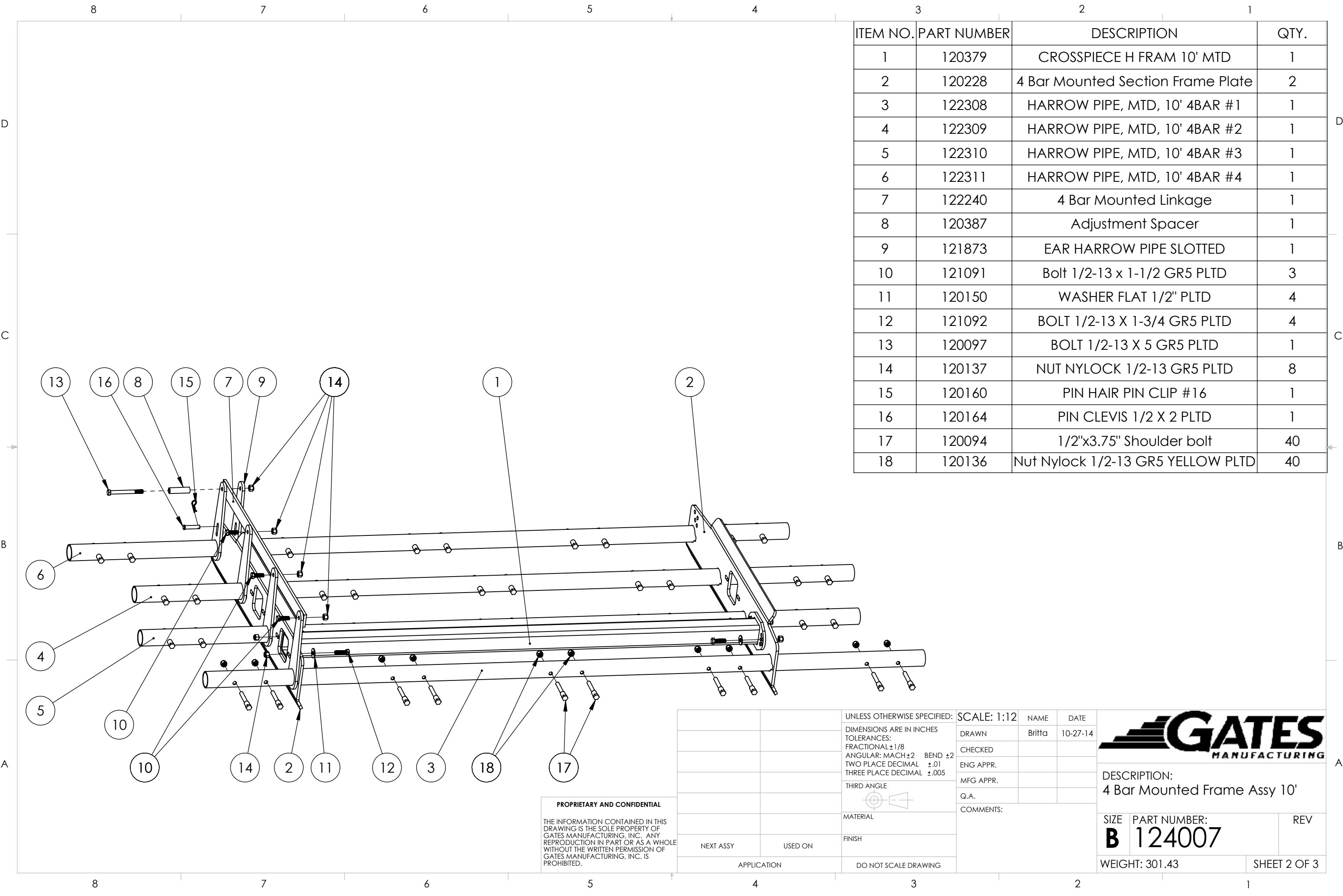
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		UNLESS OTHERWISE SPECIFIED:	SCALE: 1:16	NAME	DATE
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		ANGULAR: MACH±2 BEND ±2	MFG APPR.		
		TWO PLACE DECIMAL ±.01	Q.A.		
		THREE PLACE DECIMAL ±.005	COMMENTS:		
		THIRD ANGLE			
		MATERIAL			
		Alloy Steel			
		FINISH			
NEXT ASSY	USED ON				
APPLICATION		DO NOT SCALE DRAWING			

DESCRIPTION:
4 Bar, 10' Harrows

SIZE	PART NUMBER:
B	See Table
WEIGHT: 18.35	
SHEET 1 OF 1	



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	120379	CROSSPIECE H FRAM 10' MTD	1
2	120228	4 Bar Mounted Section Frame Plate	2
3	122308	HARROW PIPE, MTD, 10' 4BAR #1	1
4	122309	HARROW PIPE, MTD, 10' 4BAR #2	1
5	122310	HARROW PIPE, MTD, 10' 4BAR #3	1
6	122311	HARROW PIPE, MTD, 10' 4BAR #4	1
7	122240	4 Bar Mounted Linkage	1
8	120387	Adjustment Spacer	1
9	121873	EAR HARROW PIPE SLOTTED	1
10	121091	Bolt 1/2-13 x 1-1/2 GR5 PLTD	3
11	120150	WASHER FLAT 1/2" PLTD	4
12	121092	BOLT 1/2-13 X 1-3/4 GR5 PLTD	4
13	120097	BOLT 1/2-13 X 5 GR5 PLTD	1
14	120137	NUT NYLOCK 1/2-13 GR5 PLTD	8
15	120160	PIN HAIR PIN CLIP #16	1
16	120164	PIN CLEVIS 1/2 X 2 PLTD	1
17	120094	1/2"x3.75" Shoulder bolt	40
18	120136	Nut Nylock 1/2-13 GR5 YELLOW PLTD	40

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UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES

TOLERANCES:

FRACTIONAL ±1/8

ANGULAR: MACH ±2

TWO PLACE DECIMAL ±.01

THREE PLACE DECIMAL ±.005

THIRD ANGLE

MATERIAL

FINISH

DO NOT SCALE DRAWING

SCALE: 1:12

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

DATE

Britta

10-27-14

DESCRIPTION:

4 Bar Mounted Frame Assy 10'

SIZE

PART NUMBER:

REV

B

124007

WEIGHT: 301.43

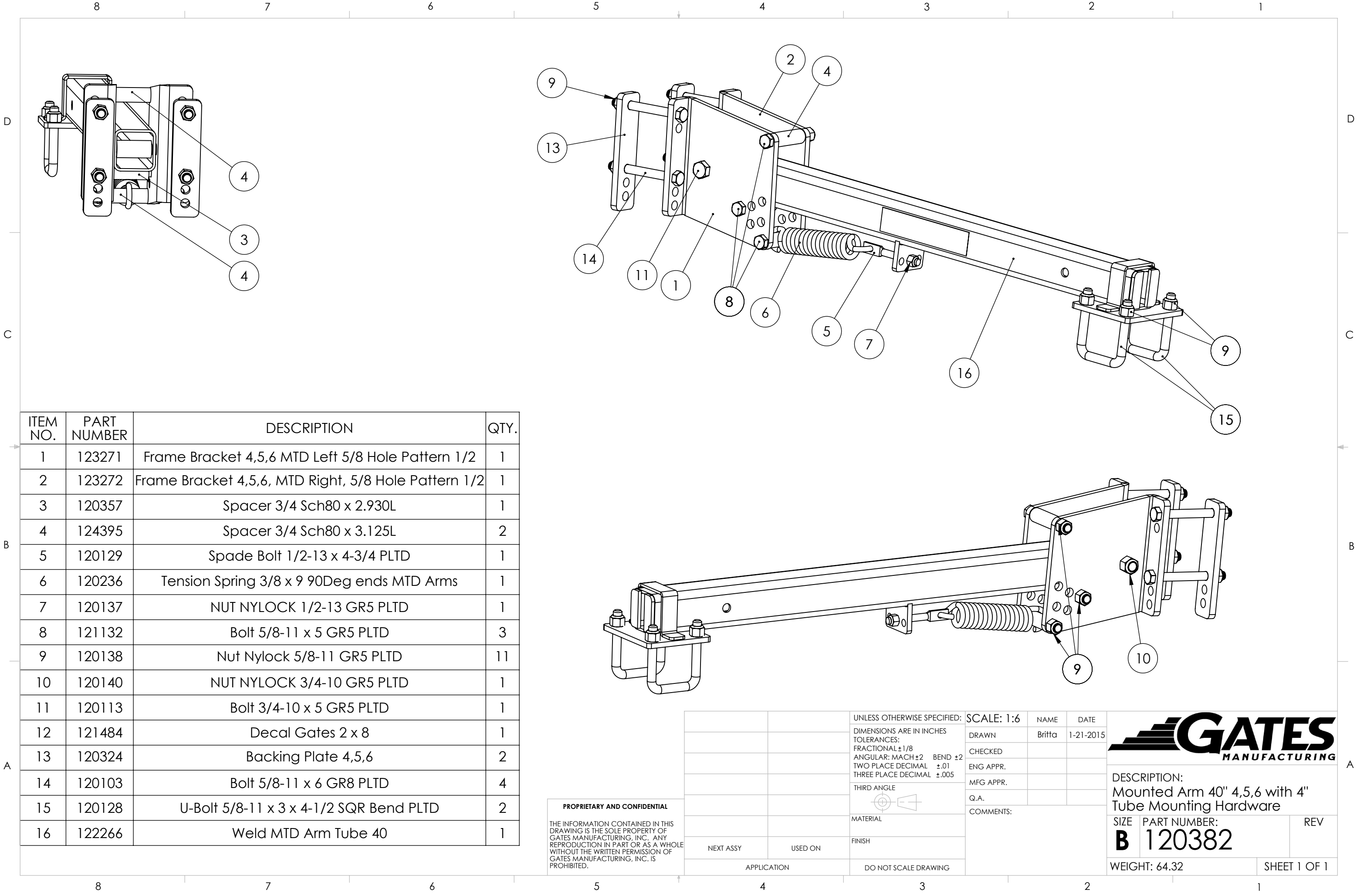
SHEET 2 OF 3

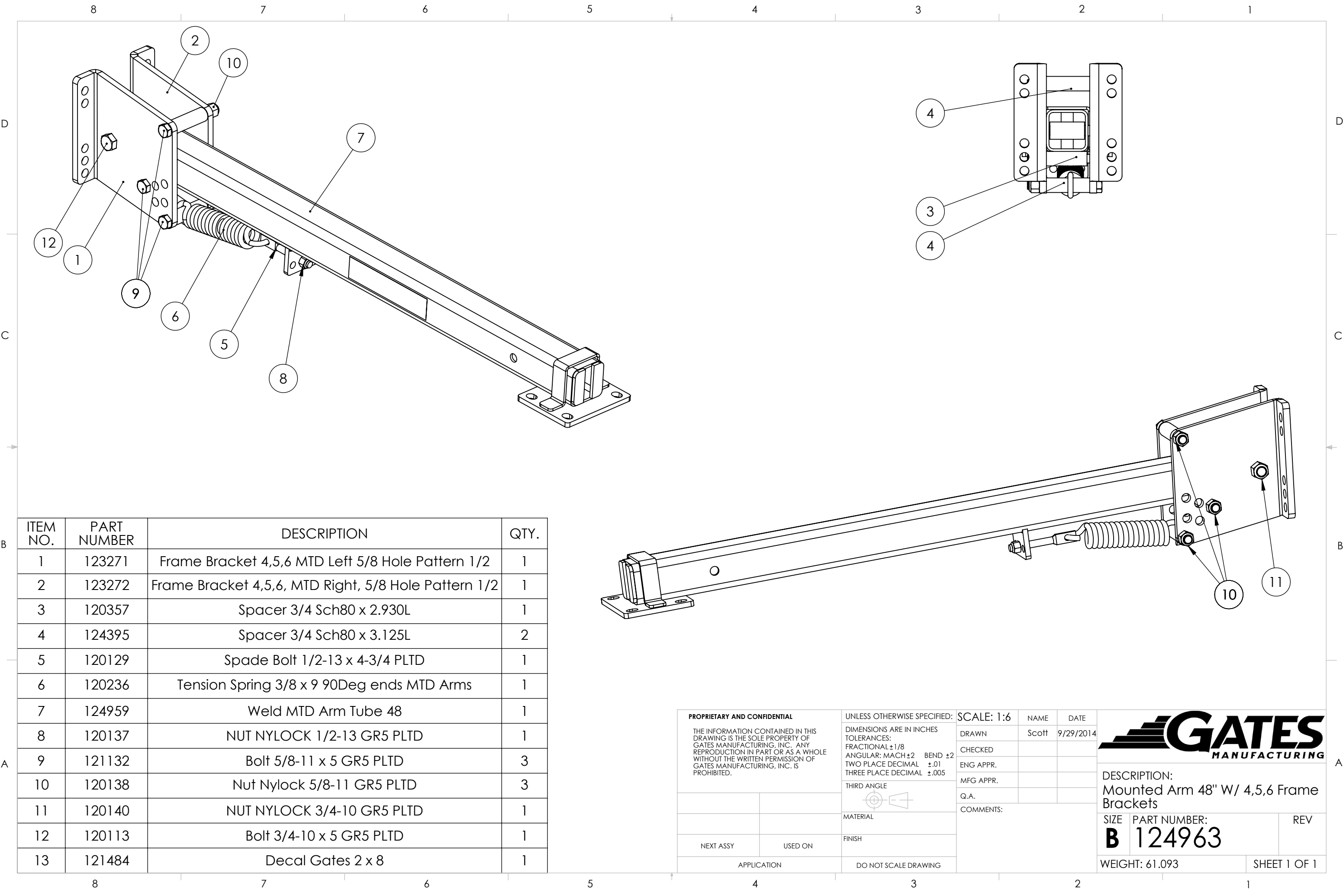
NEXT ASSY

USED ON

APPLICATION

Mounted Arms





ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	123271	Frame Bracket 4,5,6 MTD Left 5/8 Hole Pattern 1/2	1
2	123272	Frame Bracket 4,5,6, MTD Right, 5/8 Hole Pattern 1/2	1
3	120357	Spacer 3/4 Sch80 x 2.930L	1
4	124395	Spacer 3/4 Sch80 x 3.125L	2
5	120129	Spade Bolt 1/2-13 x 4-3/4 PLTD	1
6	120236	Tension Spring 3/8 x 9 90Deg ends MTD Arms	1
7	124959	Weld MTD Arm Tube 48	1
8	120137	NUT NYLOCK 1/2-13 GR5 PLTD	1
9	121132	Bolt 5/8-11 x 5 GR5 PLTD	3
10	120138	Nut Nylock 5/8-11 GR5 PLTD	3
11	120140	NUT NYLOCK 3/4-10 GR5 PLTD	1
12	120113	Bolt 3/4-10 x 5 GR5 PLTD	1
13	121484	Decal Gates 2 x 8	1

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		ANGULAR: MACH ± 2 BEND ± 2		MFG APPR.		
		THIRD ANGLE		Q.A.		
				COMMENTS:		
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					
APPLICATION		DO NOT SCALE DRAWING				

DESCRIPTION:
Mounted Arm 48" W/ 4,5,6 Frame Brackets

SIZE	PART NUMBER:	REV
B	124963	

WEIGHT: 61.093	SHEET 1 OF 1
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