



AUXILIARY EXF
COMPOSILITE SUSPENSIONS
PARTS CATALOG



Parts List PL-H831 is intended to help you find commonly required aftermarket parts and aftermarket parts kits for COMPOSILITE® EXF Non-Steerable Auxiliary Lift Axle Suspension Systems.

For assistance with replacement axle weldments, seat kits and stabilizer brackets: Please contact Hendrickson Customer Service at 1-800-660-2829 or by e-mail at liftaxle@hendrickson-intl.com.



Click this graphic throughout the document to return to Table of Contents:



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Table of Contents: Parts, Part Kits & Associated Drawings

<u>Section 1</u>	<u>BRAKE KITS & DUST SHIELDS</u>
<u>Section 2</u>	<u>SIDE RAILS & SADDLES</u>
<u>Section 3</u>	<u>TRAILING ARMS & PIVOT BOLT KITS</u>
<u>Section 4</u>	<u>CROSSMEMBERS</u>
<u>Section 5</u>	<u>WELD-ON FRAME BRACKETS</u>
<u>Section 6</u>	<u>BOLT-ON TOWERS</u>
<u>Section 7</u>	<u>AIR SPRINGS & UPPER AIR SPRING PLATES</u>
<u>Section 8</u>	<u>ASSOCIATED DRAWINGS</u>

Note: The illustrations used throughout Parts List H831 are representational in nature and might not reflect the latest design changes and integrated components, and the illustrations are not comprehensive in regard to all of the spare parts offered for specific suspension models and configurations. Please contact Hendrickson Customer Service for assistance: liftaxle@hendrickson-intl.com.



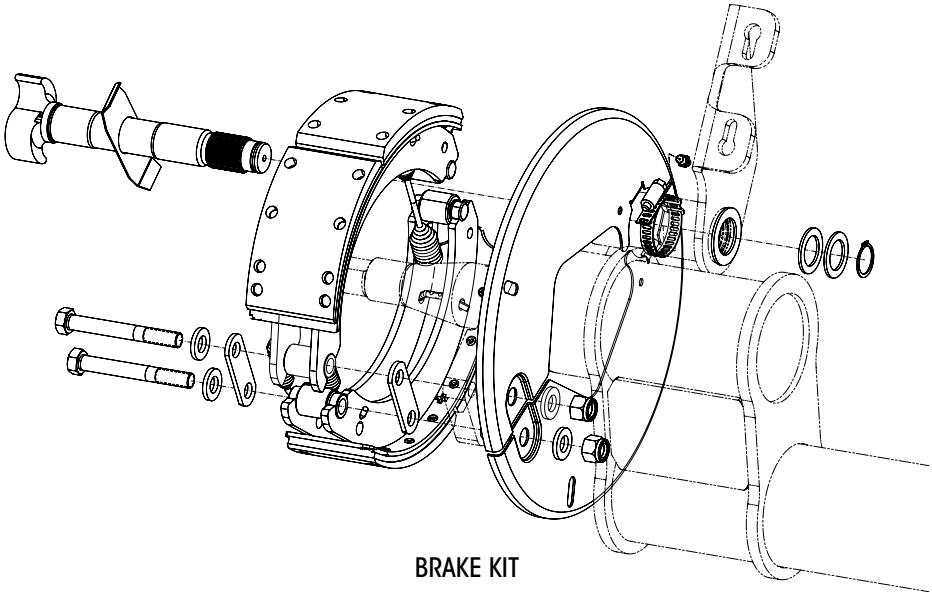
SECTION 1
BRAKE KITS & DUST SHIELD KITS

TABLE 1: BRAKE KITS EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART#	Drawing #
BRAKE KITS	2017 -	13K	Weld-On Drum Brakes 15x4	1	017449-1500	017449-1901
	2017 -		Shoes, Springs, Anchor Pins	1	R-007442-B	N/A

TABLE 2: DUST SHIELDS EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART#	Drawing #
DUST SHIELDS	2017 -	13K	Dust Shield Upper (LH) / Lower (RH)	2	R-011789-1	017449-1901
	2017 -		Dust Shield Upper (RH) / Lower (LH)	2	R-011789-2	017449-1901
	2017 -		Hose Clamp, Dust Shield	2	R-010110	017449-1901





SECTION 2

SIDE RAILS & SADDLES

TABLE 1: SIDE RAILS EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART#
SIDE RAILS (TRUCK)	2017 -	11K, 12K, 13K	Standard Aftermarket (LH)	1	R-017853-01
	2017 -		Standard Aftermarket (RH)	1	R-017853-02
	2017 -		Standard Roll-Off (LH)	1	R-017860-01
	2017 -		Standard Roll-Off (RH)	1	R-017860-02
	2017 -	11K, 12K, 13K	Plus 2" Aftermarket (LH)	1	R-017859-01
	2017 -		Plus 2" Aftermarket (RH)	1	R-017859-02
	2017 -		Plus 2" Roll-Off (LH)	1	R-017861-01
	2017 -		Plus 2" Roll-Off (RH)	1	R-017861-02

TABLE 2: SADDLES EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART#
SADDLES (TRUCK)	2017 -	11K, 12K, 13K	Standard Aftermarket (LH)	1	R-017849-01
	2017 -		Standard Aftermarket (RH)	1	R-017849-02
	2017 -		Standard Roll-Off (LH)	1	R-017851-01
	2017 -		Standard Roll-Off (RH)	1	R-017851-02
	2017 -	11K, 12K, 13K	Plus 2" Aftermarket (LH)	1	R-017850-01
	2017 -		Plus 2" Aftermarket (RH)	1	R-017850-02
	2017 -		Plus 2" Roll-Off (LH)	1	R-017852-01
	2017 -		Plus 2" Roll-Off (RH)	1	R-017852-02



SIDE RAIL



SADDLE

SECTION 3

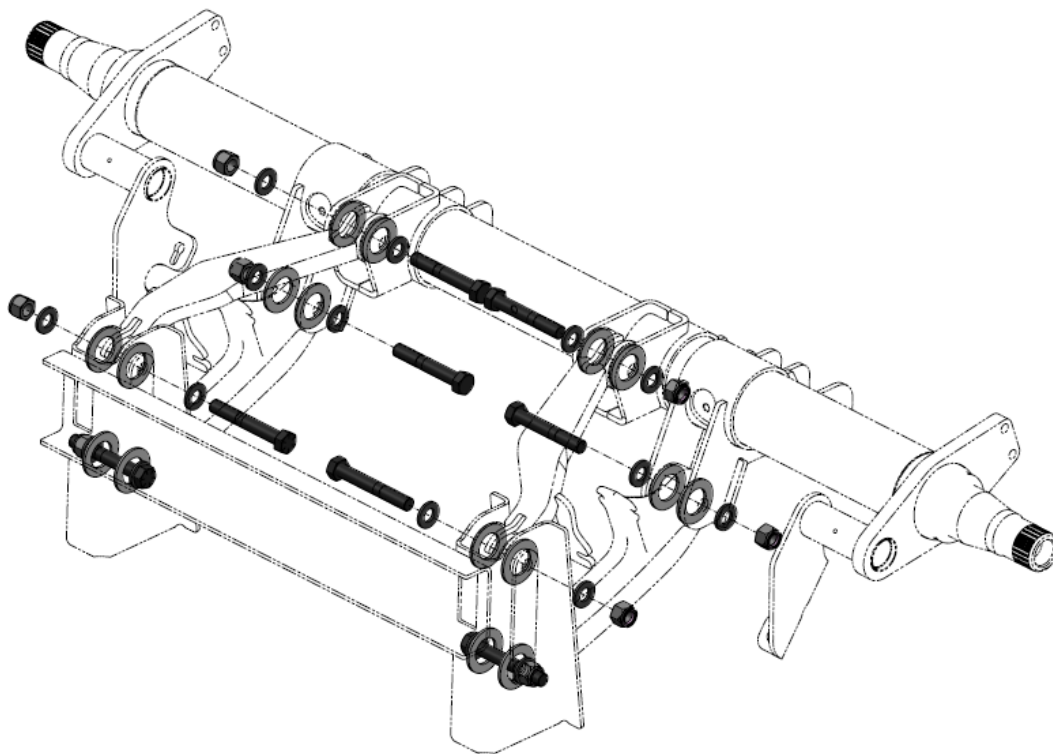
TRAILING ARMS & PIVOT BOLT KITS

TABLE 1: PIVOT BOLT KITS EXF13

DESCRIPTION	CAPACITY	SUB DESCRIPTION	QTY	PART#	Drawing #
PIVOT BOLT KITS	11K, 12K, 13K	Trailer Standard Alignment (All Nuts Out)	1	R-019700-0100	019700-0106
		Truck Standard Alignment (All Nuts Out)	1	R-019700-0200	019700-0203
		Truck Adjustable	1	R-019700-0300	019700-0303
		Roll-Off Standard Alignment (All Nuts Out)	1	R-019700-0400	019700-0403
		Roll-Off Adjustable	1	R-019700-0500	019700-0503

TABLE 2: TRAILING ARMS EXF13

DESCRIPTION	CAPACITY	SUB DESCRIPTION	QTY	PART#	Drawing #
TRAILING ARMS	11K, 12K, 13K	Aluminum Beam (3" wide)	2	R-016911-00	016911-00
		Bottom Left-Hand Trailing Arm, 6" Offset	1	R-018816-01	018816-00
		Bottom Right-Hand Trailing Arm, 6" Offset	1	R-018816-02	018816-00



PIVOT BOLT KIT



SECTION 4

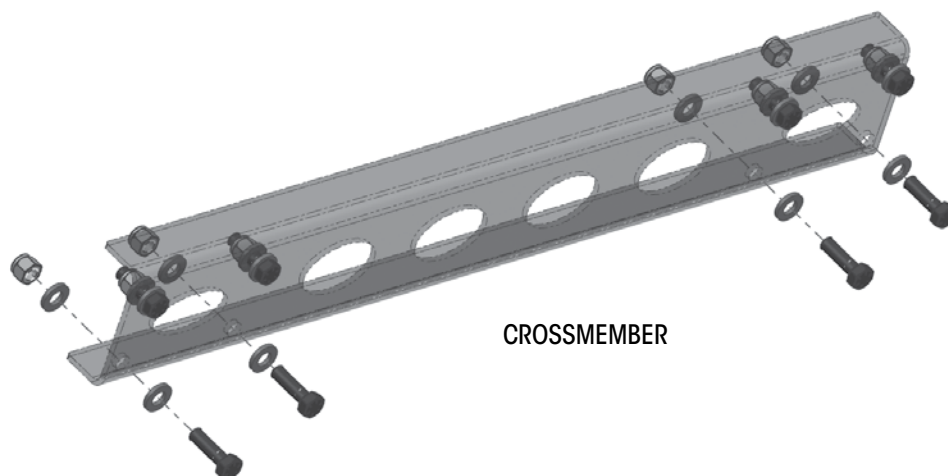
CROSSMEMBERS

TABLE 1: CROSSMEMBERS TRUCK & ROLL-OFF EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
CROSSMEMBERS TRUCK	2017 -	13K	33.5" FW - Fixed Frame Width	1	R-017839-01
	2017 -		34.0" FW - Fixed Frame Width	1	R-017839-02
	2017 -		34.5" FW - Fixed Frame Width	1	R-017839-03
	2017 -		Adjustable Frame Width	1	R-017844-10
CROSSMEMBERS ROLL-OFF	2017 -	13K	33.5" FW - Fixed	1	R-017846-01
	2017 -		34.0" FW - Fixed	1	R-017846-02
	2017 -		34.5" FW - Fixed	1	R-017846-03
	2017 -		Adjustable Frame Width	1	R-017847-10
CROSSMEMBERS TRAILER	2017 -	11K, 12K, 13K	32.0" Frame Attachment Center	1	R-016942-32
	2017 -		34.0" Frame Attachment Center	1	R-016942-34
	2017 -		35.0" Frame Attachment Center	1	R-016942-35
	2017 -		38.0" Frame Attachment Center	1	R-016942-38
	2017 -		40.0" Frame Attachment Center	1	R-016942-40
	2017 -		41.0" Frame Attachment Center	1	R-016942-41
	2017 -		42.0" Frame Attachment Center	1	R-016942-42

TABLE 2: CROSSMEMBERS INSTALL DRAWINGS EXF13

DESCRIPTION	CAPACITY	SUB DESCRIPTION	QTY	PART#	Drawing #
CROSSMEMBER HARDWARE	11K, 12K, 13K	Bolt-on Crossmembers	1	R-019702-0100	019702-0101

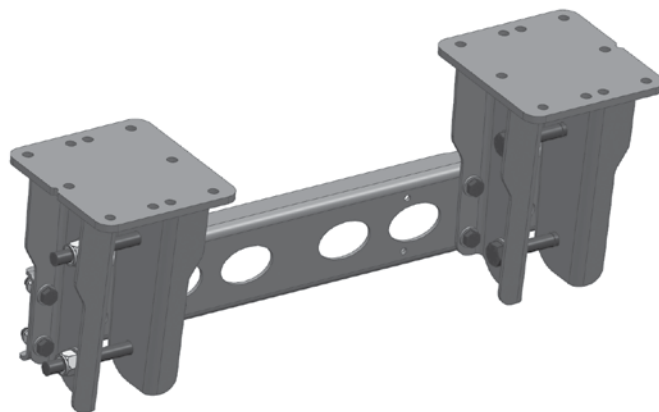


SECTION 5

BOLT-ON TOWERS

TABLE 1: BOLT-ON HANGER TOWER ASSEMBLY EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
BOLT-ON HANGER TOWER ASSEMBLY (TRAILER)	2017 -	11K, 12K, 13K	Pattern B (LH)	1	R-017028-01
	2017 -		Pattern B (RH)	1	R-017028-02
	2017 -		Pattern B (LH) Galvanized	1	R-017028-11
	2017 -		Pattern B (RH) Galvanized	1	R-017028-12
	2017 -		Pattern H (LH)	1	R-017115-01
	2017 -		Pattern H (RH)	1	R-017115-02
	2017 -		Pattern E (LH) Galvanized	1	R-017115-11
	2017 -		Pattern E (RH) Galvanized	1	R-017115-12
	2017 -		Pattern J (LH)	1	R-017116-01
	2017 -		Pattern J (RH)	1	R-017116-02
	2017 -		Pattern J (LH) Galvanized	1	R-017116-11
	2017 -		Pattern J (RH) Galvanized	1	R-017116-12
	2017 -		Pattern Q (LH)	1	R-017117-01
	2017 -		Pattern Q (RH)	1	R-017117-02
	2017 -		Pattern Q (LH) Galvanized	1	R-017117-11
	2017 -		Pattern Q (RH) Galvanized	1	R-017117-12
	2017 -		Pattern U (LH)	1	R-017118-01
	2017 -		Pattern U (RH)	1	R-017118-02
	2017 -		Pattern U (LH) Galvanized	1	R-017118-11
	2017 -		Pattern U (RH) Galvanized	1	R-017118-12



BOLT-ON HANGER TOWER ASSEMBLY

Note: Crossmember and hardware are shown for reference only.



SECTION 5

BOLT-ON TOWERS (Continued)

TABLE 2: BOLT-ON HANGER TOWER +2" EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
BOLT-ON HANGER TOWER +2" (TRAILER)	2017 -	11K, 12K, 13K	Pattern B (LH) +2"	1	R-017473-01
	2017 -		Pattern B (RH) +2"	1	R-017473-02
	2017 -		Pattern B (LH) + 2" Galvanized	1	R-017473-11
	2017 -		Pattern B (RH) +2" Galvanized	1	R-017473-12
	2017 -		Pattern E (LH) +2"	1	R-017474-01
	2017 -		Pattern E (RH) +2"	1	R-017474-02
	2017 -		Pattern E (LH) +2" Galvanized	1	R-017474-11
	2017 -		Pattern E (RH) +2" Galvanized	1	R-017474-12
	2017 -		Pattern J (LH) +2"	1	R-017475-01
	2017 -		Pattern J (RH) +2"	1	R-017475-02
	2017 -		Pattern J (LH) +2" Galvanized	1	R-017475-11
	2017 -		Pattern J (RH) +2" Galvanized	1	R-017475-12
	2017 -		Pattern Q (LH) +2"	1	R-017476-01
	2017 -		Pattern Q (RH) +2"	1	R-017476-02
	2017 -		Pattern Q (LH) +2" Galvanized	1	R-017476-11
	2017 -		Pattern Q (RH) +2" Galvanized	1	R-017476-12
	2017 -		Pattern U (LH) +2"	1	R-017477-01
	2017 -		Pattern U (RH) +2"	1	R-017477-02
	2017 -		Pattern U (LH) +2" Galvanized	1	R-017477-11
	2017 -		Pattern U (RH) +2" Galvanized	1	R-017477-12

SECTION 6

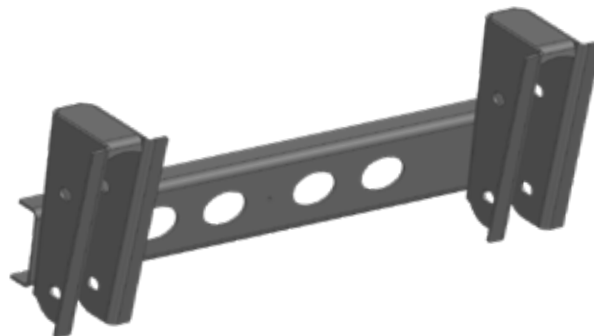
WELD-ON FRAME BRACKETS

TABLE 1: WELD-ON FRAME BRACKET ASSEMBLY EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
WELD-ON FRAME BRACKET ASSEMBLY (TRAILER)	2017 -	11K, 12K, 13K	32" Frame Attachment Center	1	R-016912-32
	2017 -		34" Frame Attachment Center	1	R-016912-34
	2017 -		35" Frame Attachment Center	1	R-016912-35
	2017 -		37" Frame Attachment Center	1	R-016912-37
	2017 -		38" Frame Attachment Center	1	R-016912-38
	2017 -		40" Frame Attachment Center	1	R-016912-40
	2017 -		41" Frame Attachment Center	1	R-016912-41
	2017 -		42" Frame Attachment Center	1	R-016912-42

TABLE 2: WELD-ON FRAME BRACKET ASSEMBLY +2" EXF13

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
WELD-ON FRAME BRACKET ASSEMBLY +2" (TRAILER)	2017 -	11K, 12K, 13K	32" Frame Attachment Center	1	R-017471-32
	2017 -		34" Frame Attachment Center	1	R-017471-34
	2017 -		35" Frame Attachment Center	1	R-017471-35
	2017 -		38" Frame Attachment Center	1	R-017471-38
	2017 -		40" Frame Attachment Center	1	R-017471-40
	2017 -		41" Frame Attachment Center	1	R-017471-41
	2017 -		42" Frame Attachment Center	1	R-017471-42



WELD-ON FRAME BRACKET ASSEMBLY



SECTION 6 (Continued)

WELD-ON FRAME BRACKETS

TABLE 3: WELD-ON FRAME BRACKET EXF13 RAISED CROSSMEMBER

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
WELD-ON FRAME BRACKET ASSEMBLY RAISED CROSSMEMBER (TRAILER)	2017 -	11K, 12K, 13K	32" Frame Attachment Center	1	R-019212-32
	2017 -		34" Frame Attachment Center	1	R-019212-34
	2017 -		35" Frame Attachment Center	1	R-019212-35
	2017 -		38" Frame Attachment Center	1	R-019212-38
	2017 -		40" Frame Attachment Center	1	R-019212-40
	2017 -		41" Frame Attachment Center	1	R-019212-41
	2017 -		42" Frame Attachment Center	1	R-019212-42

TABLE 4: WELD-ON FRAME BRACKET EXF13 RAISED CROSSMEMBER +2"

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
WELD-ON FRAME BRACKET ASSEMBLY RAISED CROSSMEMBER +2" (TRAILER)	2017 -	11K, 12K, 13K	32" Frame Attachment Center +2"	1	R-019214-32
	2017 -		34" Frame Attachment Center +2"	1	R-019214-34
	2017 -		35" Frame Attachment Center +2"	1	R-019214-35
	2017 -		38" Frame Attachment Center +2"	1	R-019214-38
	2017 -		40" Frame Attachment Center +2"	1	R-019214-40
	2017 -		41" Frame Attachment Center +2"	1	R-019214-41
	2017 -		42" Frame Attachment Center +2"	1	R-019214-42

SECTION 7

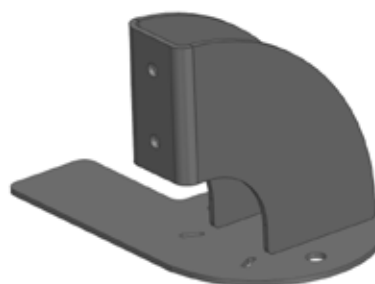
AIR SPRINGS & UPPER AIR SPRING PLATES

TABLE 1: RIDE & LIFT SPRING EXF13

DESCRIPTION	CAPACITY	SUB DESCRIPTION	QTY	PART#	Drawing #
RIDE & LIFT SPRING	11K, 12K, 13K	Ride Spring: Truck/Roll-Off	2	R-B-14487	007596-0103
		Hardware Kit: Ride Spring - Truck/Roll-Off	2	R-007596	007596-0102 / 007596-0103
		Hardware Kit: Ride Spring - Alternate Roll-Off	2	R-007596-0200	007596-0201
		Ride Spring: Trailer	2	R-001015	018948-0202
		Hardware Kit: Ride Spring - Trailer	1	R-018948-0200	018948-0202
		Lift Spring	2	R-005079	N/A
		Hardware Kit: Lift Spring, Toward Crossmember	1	R-019701-0100	019701-0101
		Hardware Kit: Lift Spring, Toward Axle	1	R-019701-0100	019701-0102

TABLE 2: UPPER AIR SPRING PLATES EXF13 TRUCK

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
UPPER AIR SPRING PLATES (TRUCK)	2017 -	11K, 12K, 13K	Truck Standard (LH)	1	R-018215-01
	2017 -		Truck Standard (RH)	1	R-018215-02
	2017 -		Truck Pre-Plumb (LH)	1	R-018222-01
	2017 -		Truck Pre-Plumb (RH)	1	R-018222-02
	2017 -		Roll-Off Standard (LH)	1	R-018209-01
	2017 -		Roll-Off Standard (RH)	1	R-018209-02
	2017 -		Roll-Off Pre-Plumb (LH)	1	R-020003-01
	2017 -		Roll-Off Pre-Plumb (RH)	1	R-020003-02
	2017 -		Alt Roll-Off Standard (LH)	1	R-018252-01
	2017 -		Alt Roll-Off Standard (RH)	1	R-018252-02
	2017 -		Alt Roll-Off Pre-Plumb (LH)	1	R-020008-01
	2017 -		Alt Roll-Off Pre-Plumb (RH)	1	R-020008-02

UPPER AIR SPRING PLATE
(TRUCK)UPPER AIR SPRING PLATE
(ROLL-OFF)



SECTION 7 (Continued)

AIR SPRINGS & UPPER AIR SPRING PLATES

TABLE 3: UPPER AIR SPRING PLATES EXF13 TRAILER

DESCRIPTION	YEAR(S) OF MFG	CAPACITY	SUB DESCRIPTION	QTY	PART #
UPPER AIR SPRING PLATES (TRAILER)	2017 -	11K, 12K, 13K	Trailer Standard (LH)	1	R-017422-01
	2017 -		Trailer Standard (RH)	1	R-017422-02
	2017 -		Trailer Pre-Plumb (LH)	1	R-018221-01
	2017 -		Trailer Pre-Plumb (RH)	1	R-018221-02
	2017 -		Trailer Galvanized (LH)	1	R-017422-11
	2017 -		Trailer Galvanized (RH)	1	R-017422-12

UPPER AIR SPRING PLATE
(TRAILER)

SECTION 8

ASSOCIATED DRAWINGS

Clicking on an individual drawing number below will take you to that location in the document.

Section 1	Drawings: Brake Kits & Dust Shields: 017449-1901
Section 2	Drawings: Side Rails & Saddles: See Section 3
Section 3	Drawings: Trailing Arms & Pivot Bolt Kits: 019700-0106, 019700-0203, 019700-0303, 019700-0403, 019700-0503, 016911-00, 018816-00, 018881-00
Section 4	Drawings: Crossmembers: 019702-0101
Section 5	Drawings: Bolt-On Towers: See Section 4
Section 6	Drawings: Weld-On Frame Brackets: See 019700-0106
Section 7	Drawings: Air Spring & Upper Air Spring Plates: 007596-0102, 007596-0103, 007596, 018948-0202, 019701-0101, 019701-0102



ITEM	PART NUMBER	DESCRIPTION	QTY
1	017449-1900	BRAKE HARDWARE KIT EXF 15X4 FAB 1.0", WW301 LININGS, D/S	1

NOTES:

- 5/8" - 11 BOLT TORQUE SPEC: 160 - 180 FT-LBS.
- APPLY ANTI-SEIZE LUBRICANT 360 DEGREES AROUND CAM TUBE ON SURFACE SPECIFIED AND ON THE S-CAM SPLINES.
- KIT CONTAINS PARTS FOR BOTH LEFT AND RIGHT HAND ASSEMBLIES (LEFT HAND ASSEMBLY SHOWN).
- Dust Shield not included

(1x/1x) 007089-1/-2
S-CAM
(LEFT HAND SHOWN)

(2x) 007184
CAMSHAFT UPPER
WASHER SHIELD

SEE NOTE 2:

(4x) 019091-
15X4 BRAKE S

(2x) 0070
RETURN SPR

(2x) 002
ZERK FITT

(4x) 6110C500H4H8
5/8"-11 X 5.00"
PHOS HEX GR 8

TORQUE SPEC:
SEE NOTE 1

(4x) 009135
ANCHOR PIN SPACER

(4x) 007093
SPRING-COIL OR
RETAINING SPRING

(4x) 009694
HOLLOW ANCHOR PIN

(2x) 011789-1
DUST SHIELD,
UPPER, LH

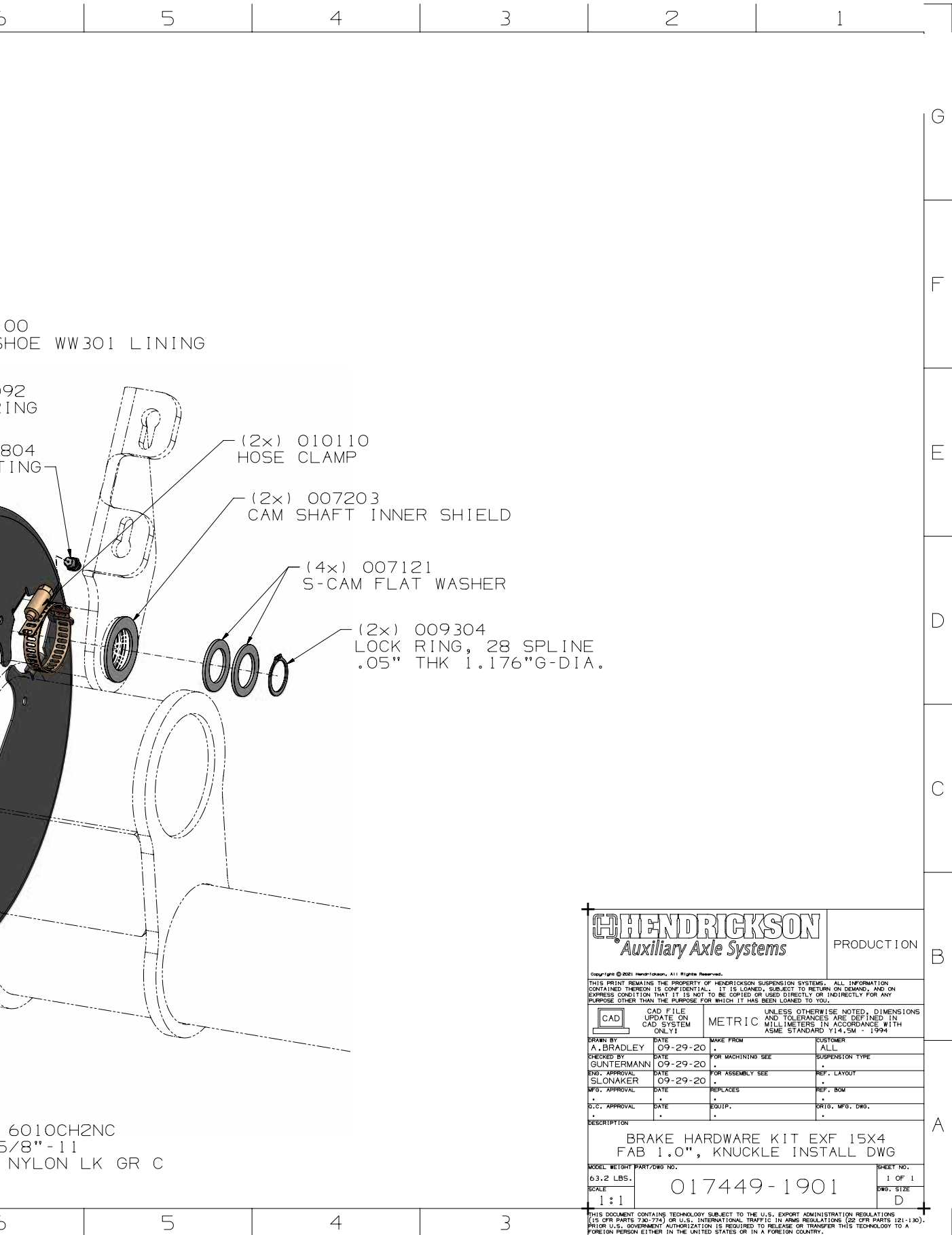
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DUST SHIELD,
UPPER, RH

(8x) 6210H2H
WASHER 5/8"
ZINC HARDEN

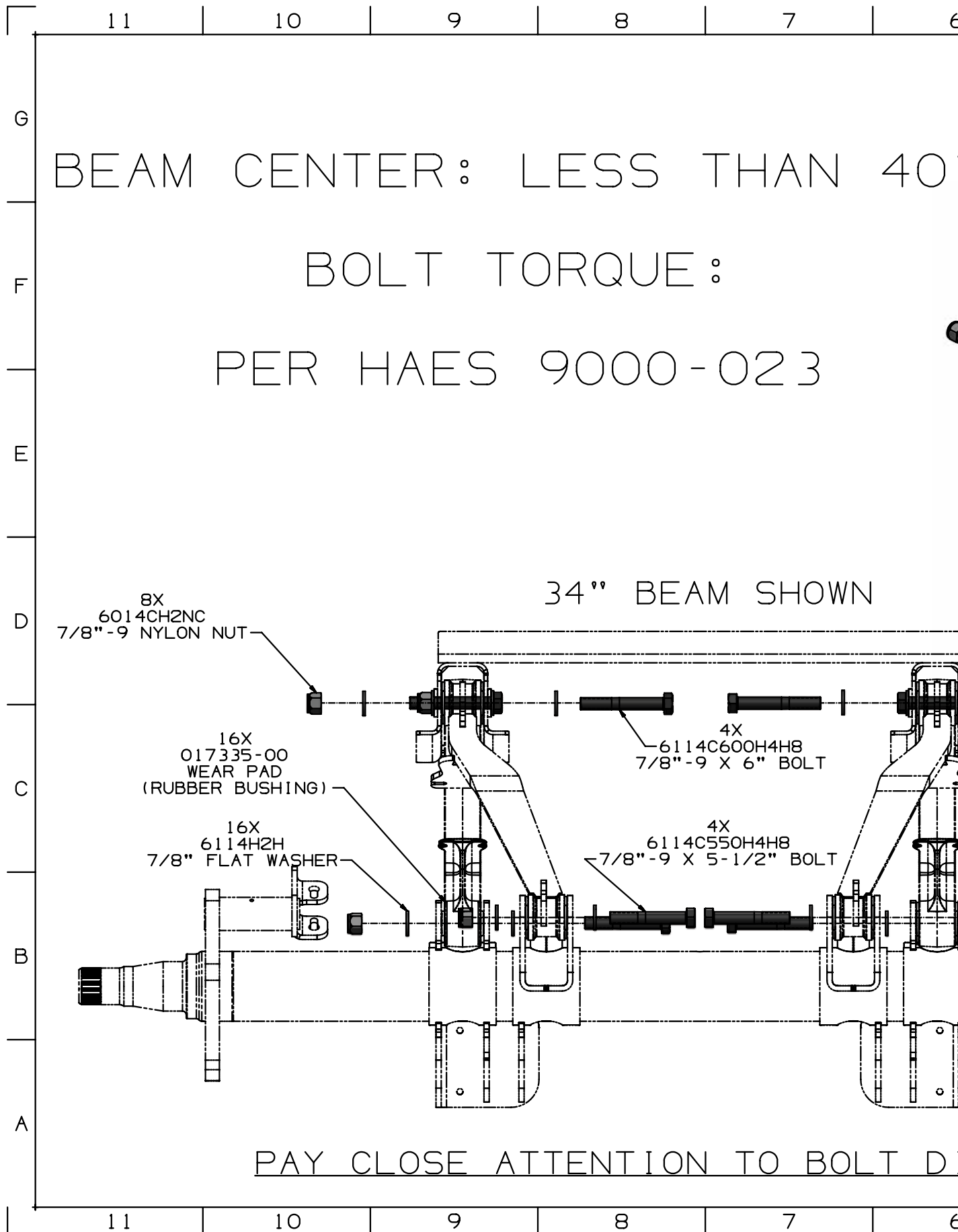
(4x)
NUT 5/8"
ZINC



COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions

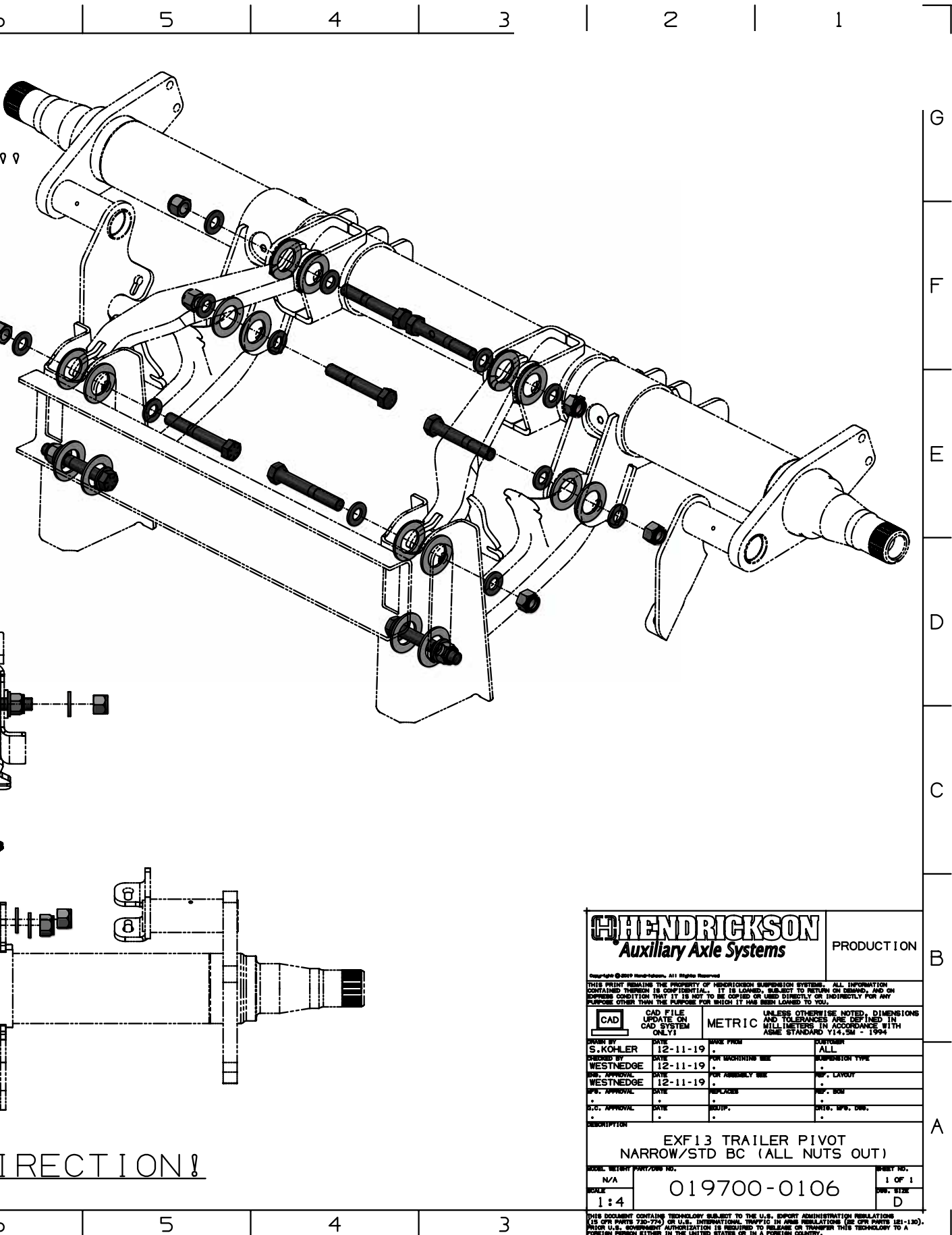


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DRAWN BY A. BRADLEY	DATE 09-29-20	MAKE FROM ALL
CHECKED BY GUNTHERMANN	DATE 09-29-20	FOR MACHINING SEE SUSPENSION TYPE
ENG. APPROVAL SLONAKER	DATE 09-29-20	FOR ASSEMBLY SEE REF. LAYOUT
MFG. APPROVAL	DATE	REPLACES REF. BOM
Q.C. APPROVAL	DATE	EQUIP. DRG. MFG. DWG.
DESCRIPTION		
BRAKE HARDWARE KIT EXF 15X4 FAB 1.0", KNUCKLE INSTALL DWG		
MODEL WEIGHT PART/DWG NO. 63.2 LBS.	017449-1901	SHEET NO. 1 OF 1
SCALE 1:1		DWG. SIZE D
THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.		



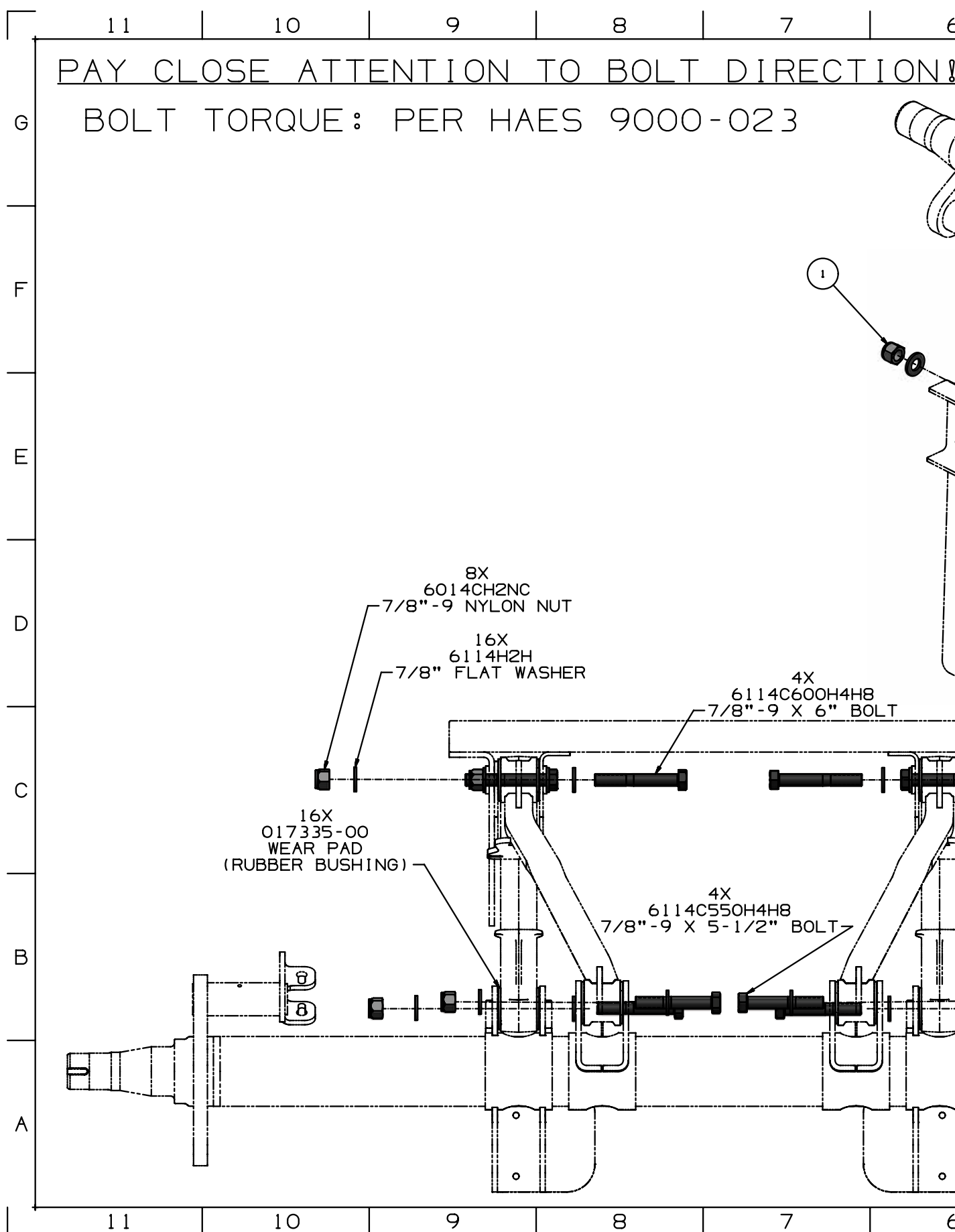


COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions



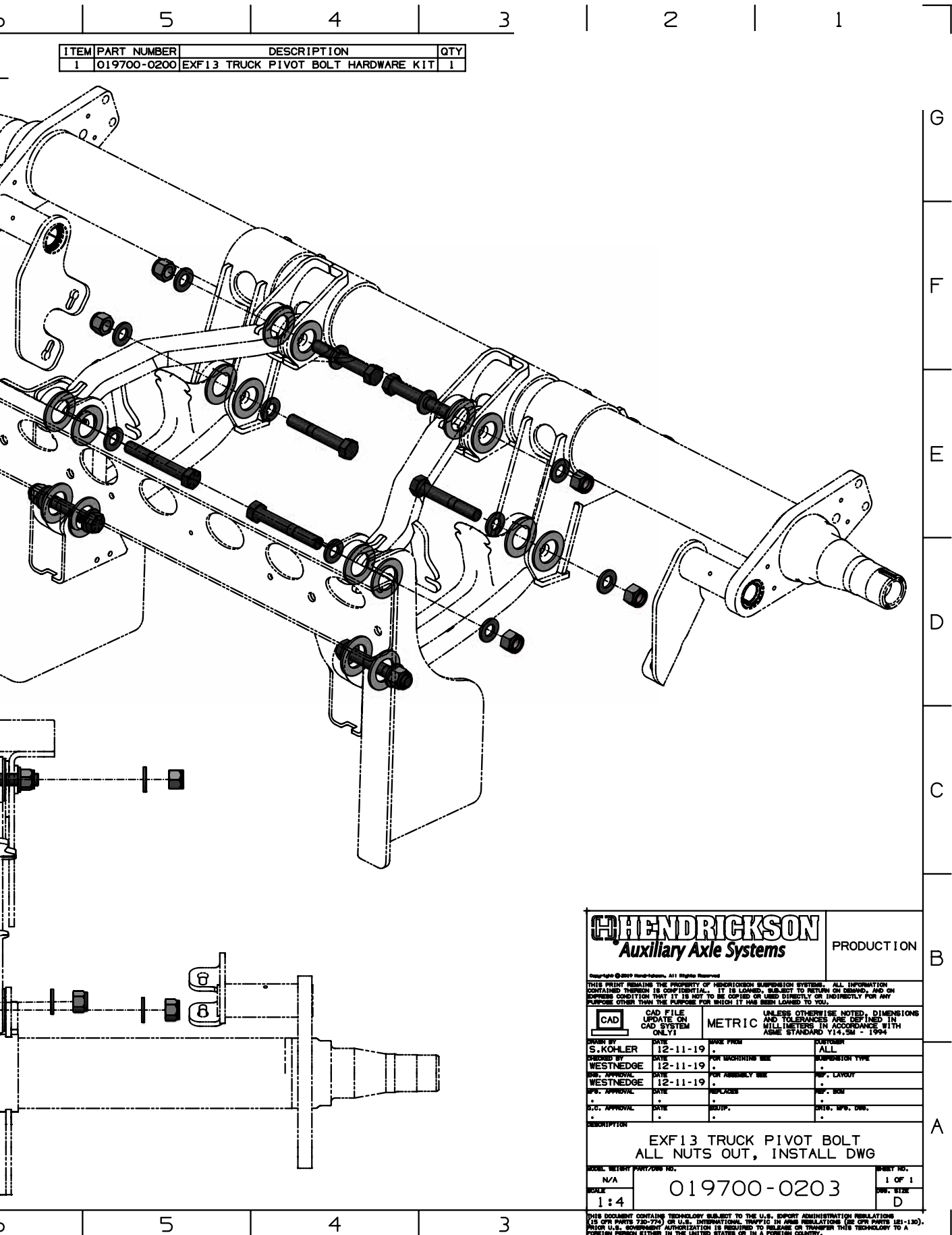
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UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994			
DESIGN BY	DATE	DATE FROM	CUSTOMER
S. KOHLER	12-11-19	.	ALL
DESIGNED BY	DATE	FOR WORKING SET	SUSPENSION TYPE
WESTNEDGE	12-11-19	.	.
REV. APPROVAL	DATE	FOR ASSEMBLY SET	REV. LAYOUT
WESTNEDGE	12-11-19	.	.
REV. APPROVAL	DATE	REPLACES	REV. BOB
.	.	.	.
REV. APPROVAL	DATE	REV. DATE	DATE, REV. DATE
.	.	.	.
DESCRIPTION			
EXF13 TRAILER PIVOT NARROW/STD BC (ALL NUTS OUT)			
SCALE		PART NO.	
N/A		019700-0106	
1:4		1 OF 1	
		REV. DATE	
		D	



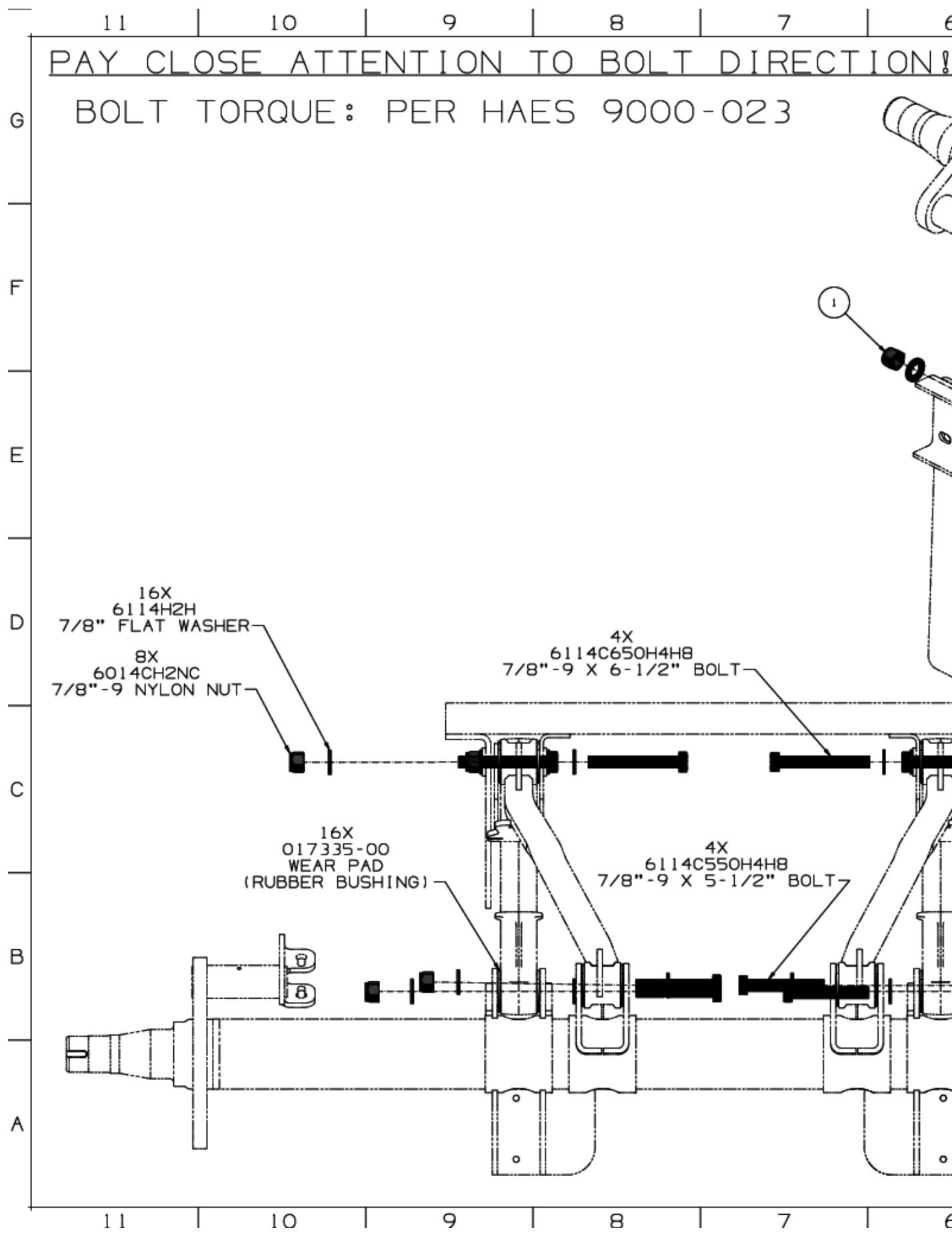


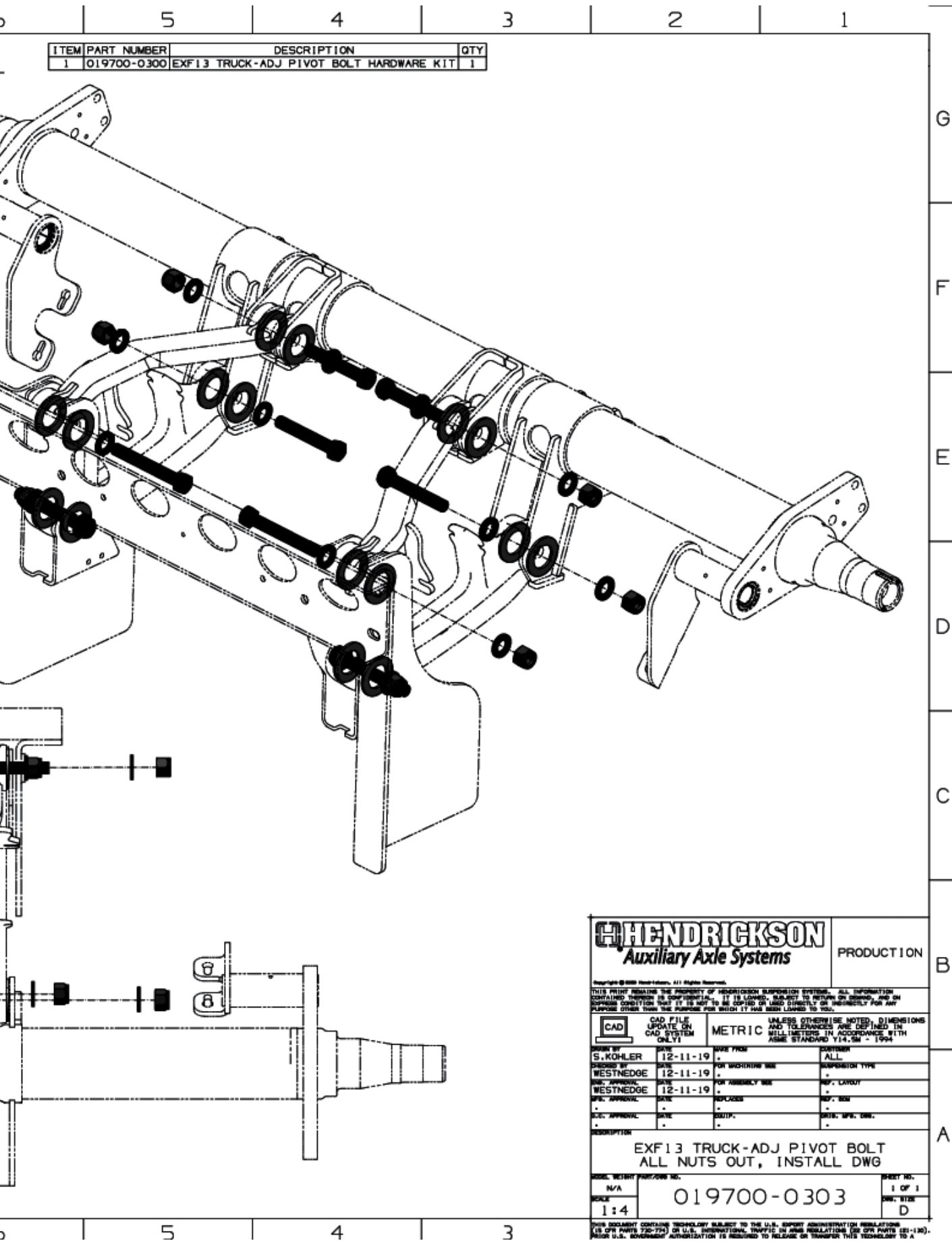
COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions



ITEM	PART NUMBER	DESCRIPTION	QTY
1	019700-0200	EXF13 TRUCK PIVOT BOLT HARDWARE KIT	1

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☒ CAD	UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DESIGN BY	DATE	DATE FROM	CUSTOMER
S. KOHLER	12-11-19	.	ALL
DESIGNED BY	DATE	FOR MACHINING USE	SUSPENSION TYPE
WESTNEDGE	12-11-19	.	.
REV. APPROVAL	DATE	FOR ASSEMBLY USE	REF. LAYOUT
WESTNEDGE	12-11-19	.	.
SPR. APPROVAL	DATE	REPLACES	REF. BOB
.	.	.	.
ECU. APPROVAL	DATE	OUTP.	DATE, SPR. DES.
.	.	.	.
DESCRIPTION			
EXF13 TRUCK PIVOT BOLT ALL NUTS OUT, INSTALL DWG			
SCALE		PARTY/DWG NO.	
1:4		019700-0203	
SCALE		SHEET NO.	
1:4		1 OF 1	
SCALE		DWG. SIZE	
1:4		D	





ITEM	PART NUMBER	DESCRIPTION	QTY
1	019700-0300	EXF13 TRUCK-ADJ PIVOT BOLT HARDWARE KIT	1

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CAD FILE
UPDATE ON
CAD SYSTEM
ONLY

METRIC

UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994

DESIGN BY
S. KOHLER

DATE
12-11-19

DATE FROM
.

CUSTOMER
ALL

DESIGNED BY
WESTNEDGE

DATE
12-11-19

DATE FOR MACHINING
.

SUSPENSION TYPE
.

ENG. APPROVAL
WESTNEDGE

DATE
12-11-19

DATE FOR ASSEMBLY
.

REF. LAYOUT
.

SPEC. APPROVAL
.

DATE
.

REPLACES
.

REF. SON
.

S.C. APPROVAL
.

DATE
.

OUTP.
.

DATE, SPEC. ENG.
.

DESCRIPTION

EXF13 TRUCK-ADJ PIVOT BOLT
ALL NUTS OUT, INSTALL DWG

MODEL, METRIC PART/ISS NO.

N/A

SCALE
1:4

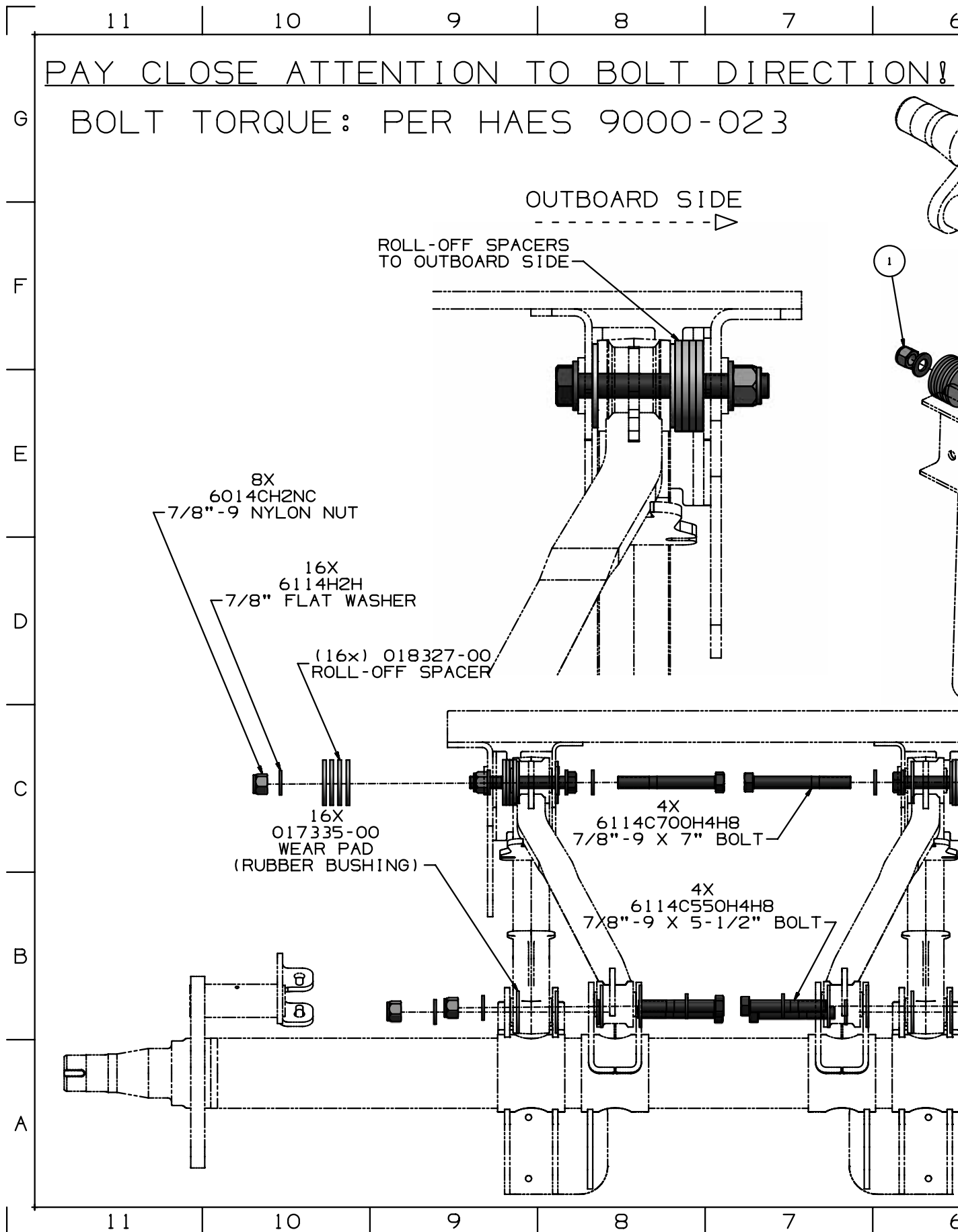
019700-0303

SHEET NO.

1 OF 1

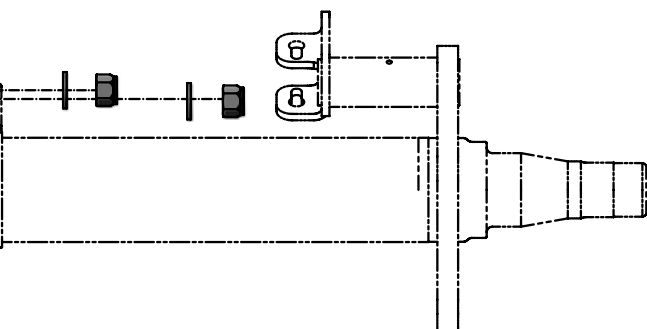
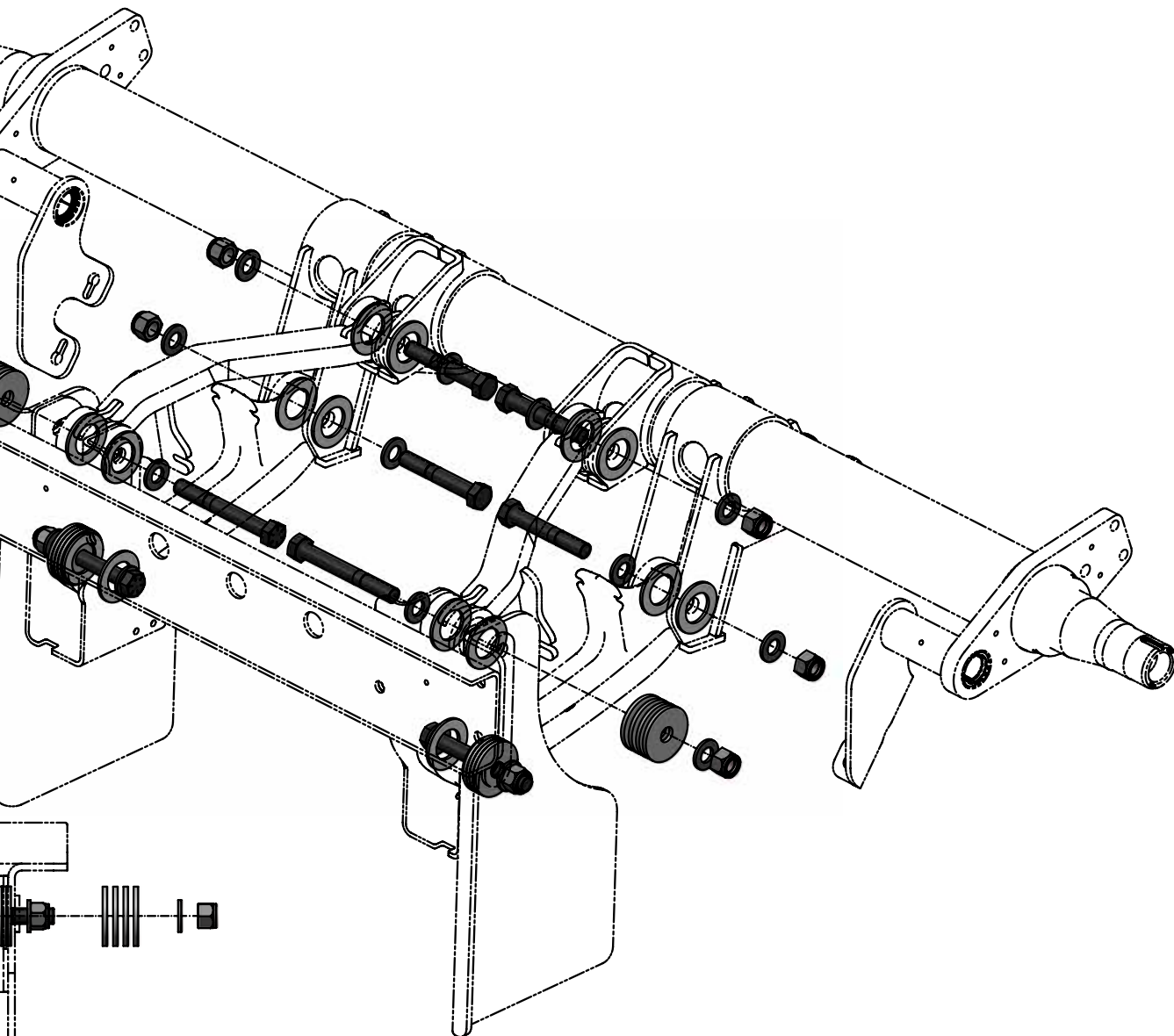
ENG. SIZE
D

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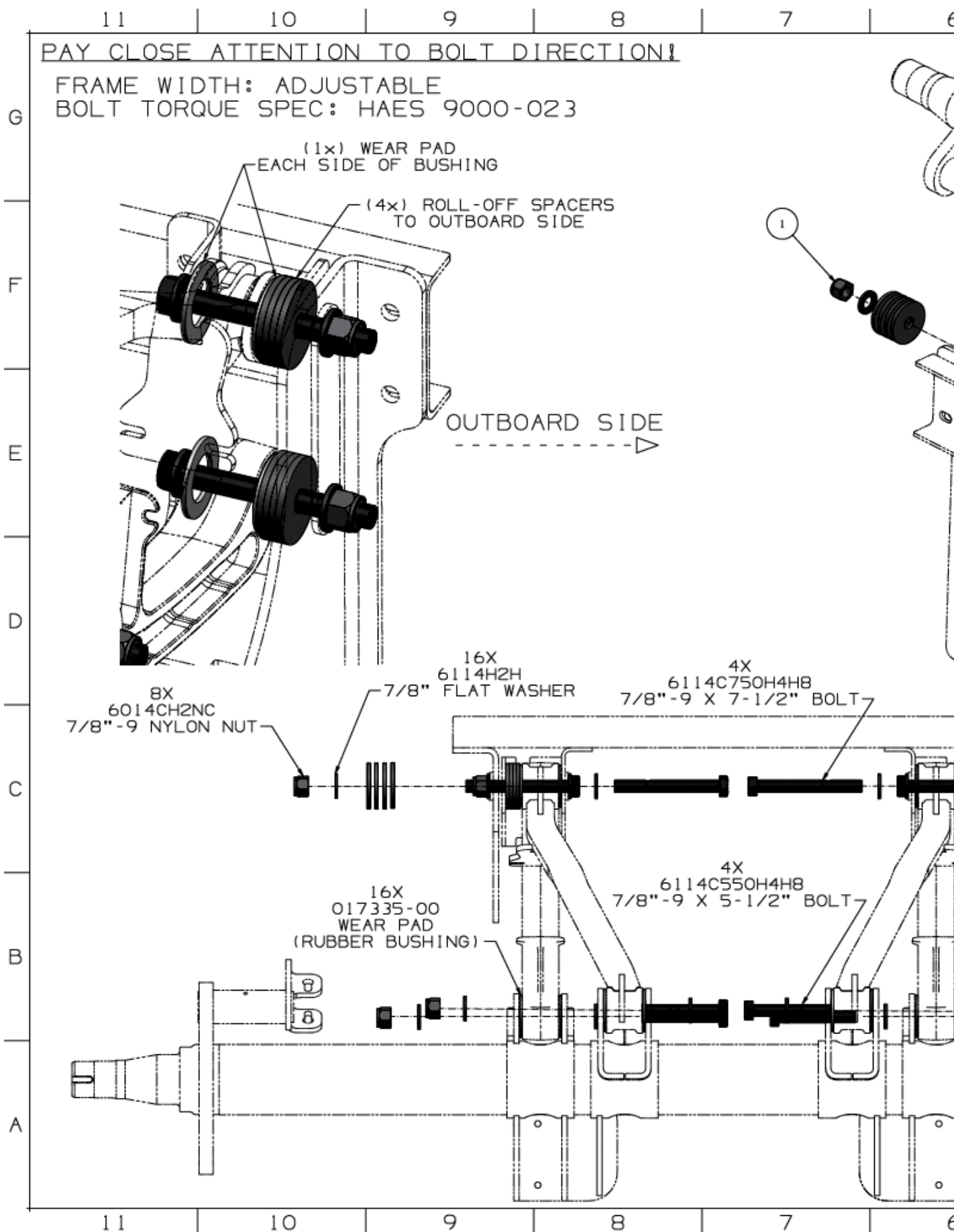




ITEM	PART NUMBER	DESCRIPTION	QTY
1	019700-0400	EXF13 ROLLOFF PIVOT BOLT HARDWARE KIT	1

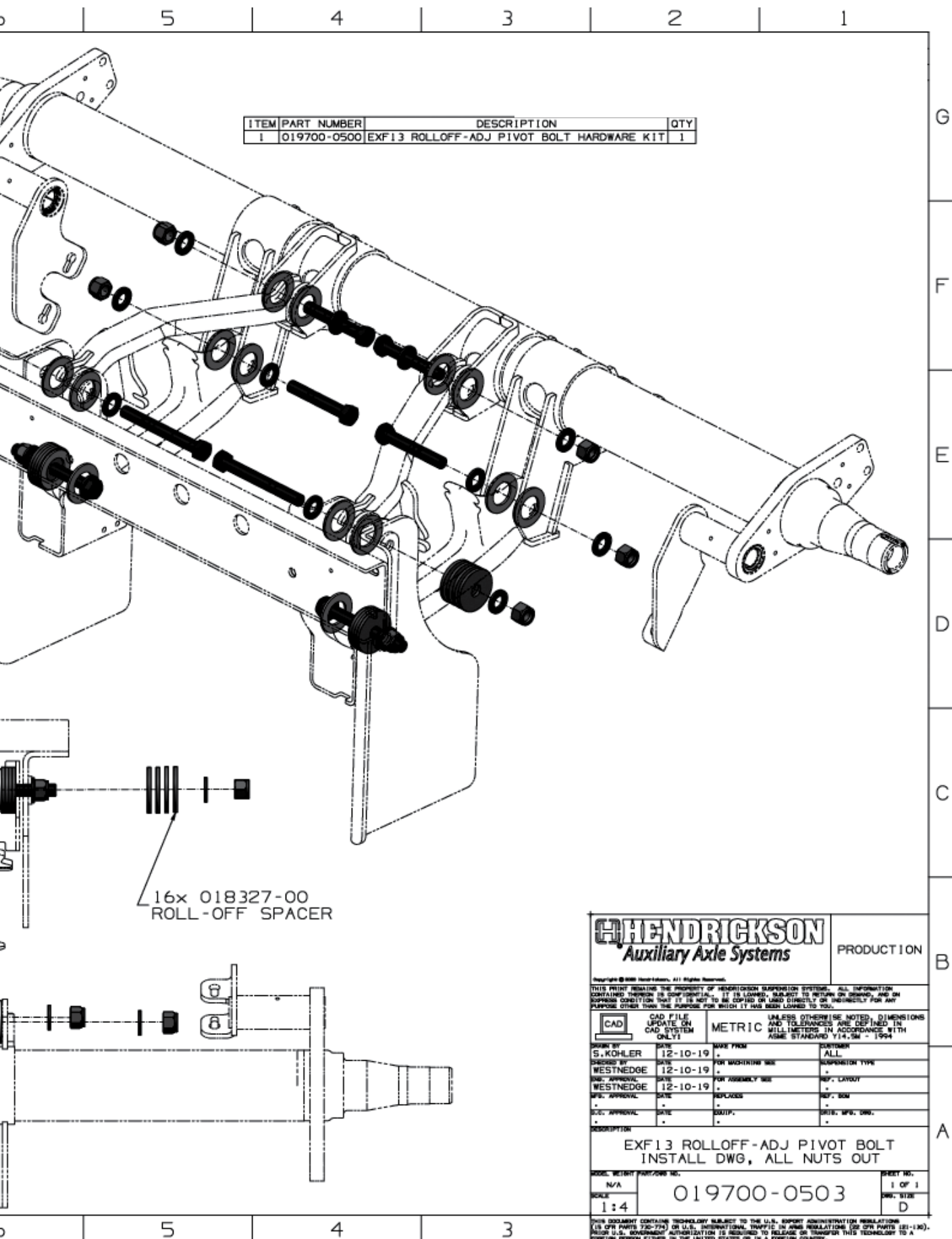


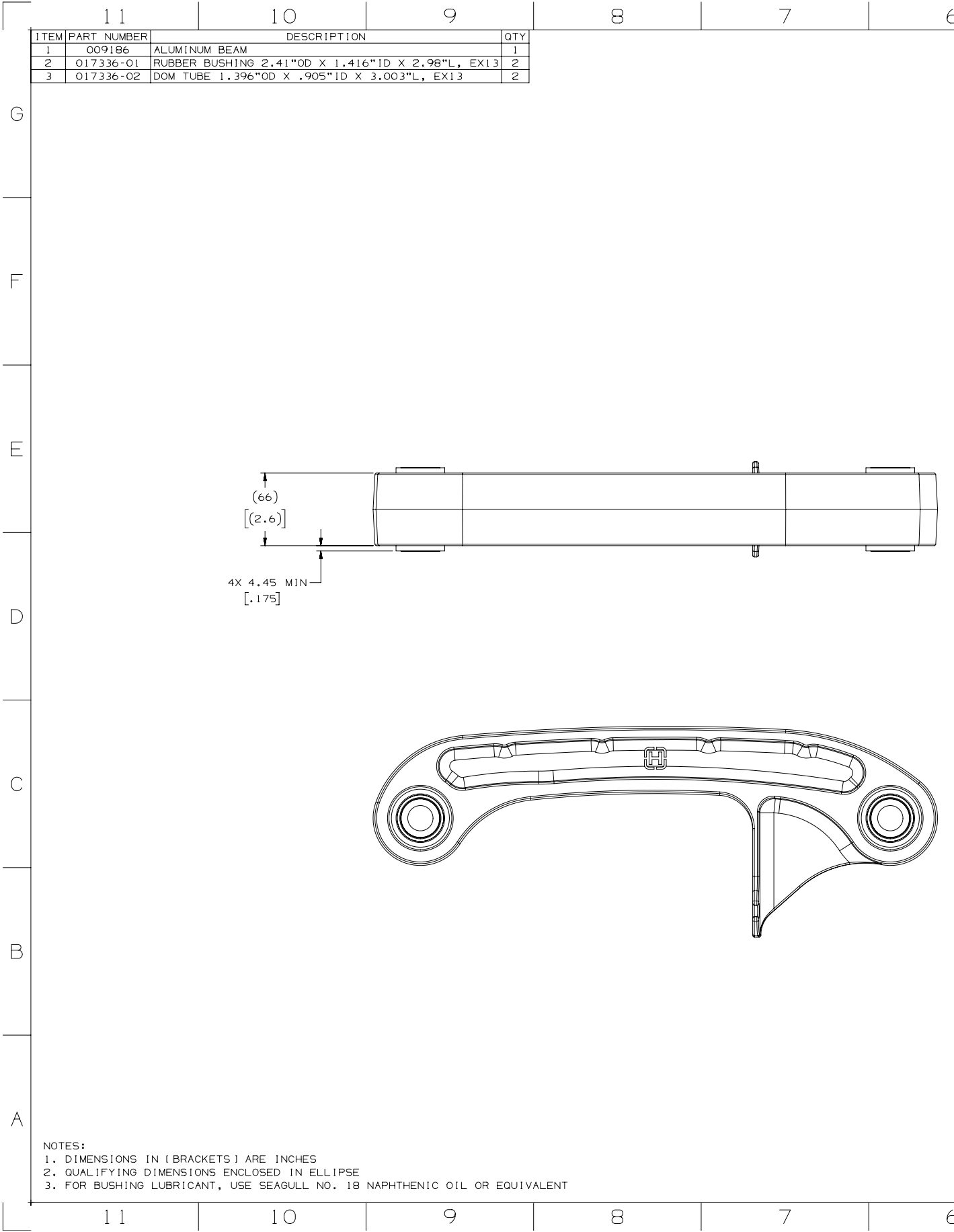
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CAD	CAD FILE UPDATE OR CAD SYSTEM ONLY	METRIC
UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994		
DESIGNED BY: S. KOHLER	DATE: 12-10-19	MAKE FROM: ALL
DESIGNED BY: WESTNEDGE	DATE: 12-10-19	SUPERVISION TYPE: FOR MACHINING SEE
DATE: WESTNEDGE	DATE: 12-10-19	FOR ASSEMBLY SEE: • LAYOUT
SPS. APPROVAL • •	DATE: • •	REPLACES: • •
SLT. APPROVAL • •	DATE: • •	GROUP: • •
DESCRIPTION 		DRS, SPS, DSG. • •





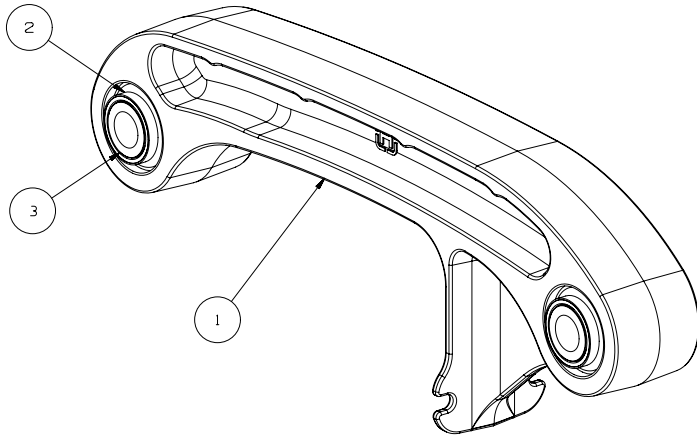
COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions







COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions



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☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY!	METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994	
DRAWN BY McCARTHY	DATE 04-02-18	MAKE FROM .	CUSTOMER ALL
CHECKED BY WESTNEDGE	DATE 04-02-18	FOR MACHINING SEE .	SUSPENSION TYPE .
ENG. APPROVAL McCARTHY	DATE 04-02-18	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
D.C. APPROVAL .	DATE .	EQUIP. .	DRG. MFG. DWS. .
DESCRIPTION ALUMINUM TRAILING ARM ASM EXF13			
MODEL WEIGHT PART/DRG NO. 10.9 LBS.		SHEET NO. 1 OF 1	
SCALE 1:2	016911-00		DWG. SIZE D



	11	10	9	8	7	6
ITEM	PART NUMBER	DESCRIPTION		QTY (-01)	QTY (-02)	
1	017336-01	RUBBER BUSHING 2.41"OD X 1.416"ID X 2.98"L, EX13		2	2	
2	017336-02	DOM TUBE 1.396"OD X .905"ID X 3.003"L, EX13		2	2	
3	018815-01	CAST 6" OFFSET TRAILING ARM LH - MACHINING		1		
3	018815-02	CAST 6" OFFSET TRAILING ARM RH - MACHINING			1	

G

F

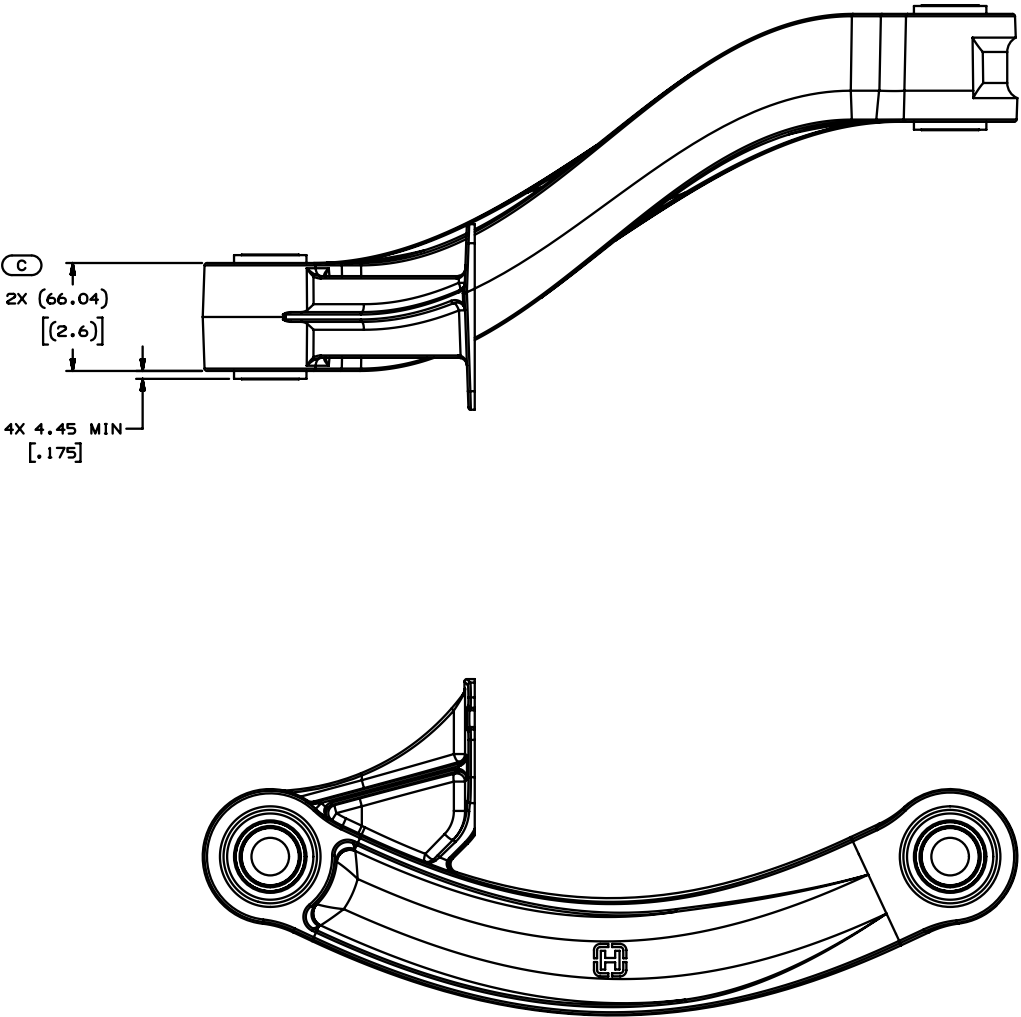
E

D

C

B

A



- NOTES:
1. DIMENSIONS IN [BRACKETS] ARE INCHES
 2. QUALIFYING DIMENSIONS ENCLOSED IN ELLIPSE
 3. FOR BUSHING LUBRICANT, USE SEAGULL NO. 18 NAPHTHENIC OIL OR EQUIVALENT

11

10

9

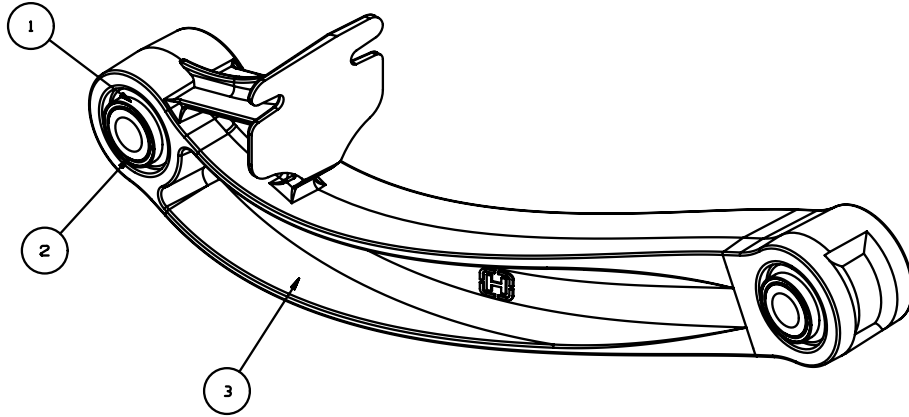
8

7

6



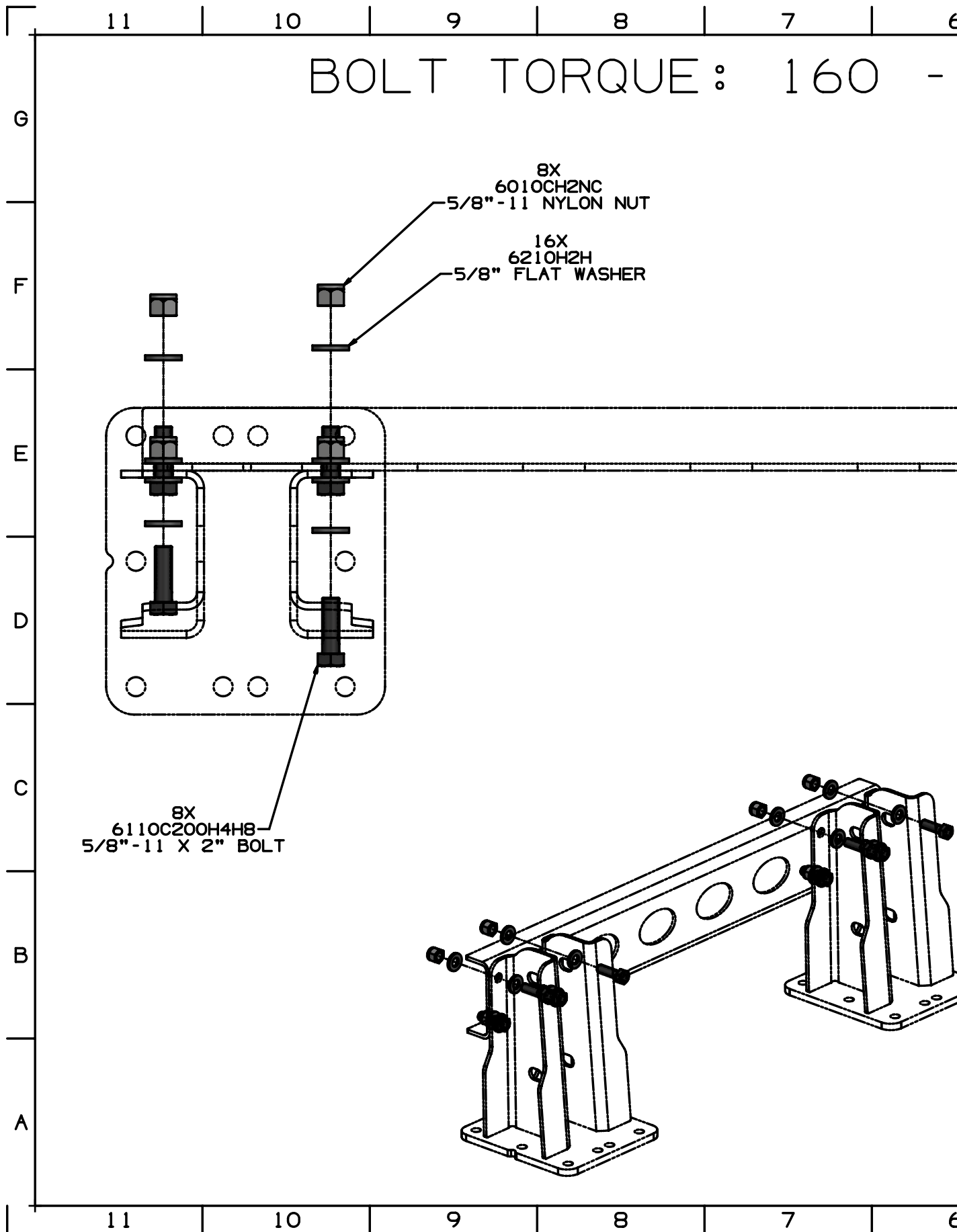
COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions

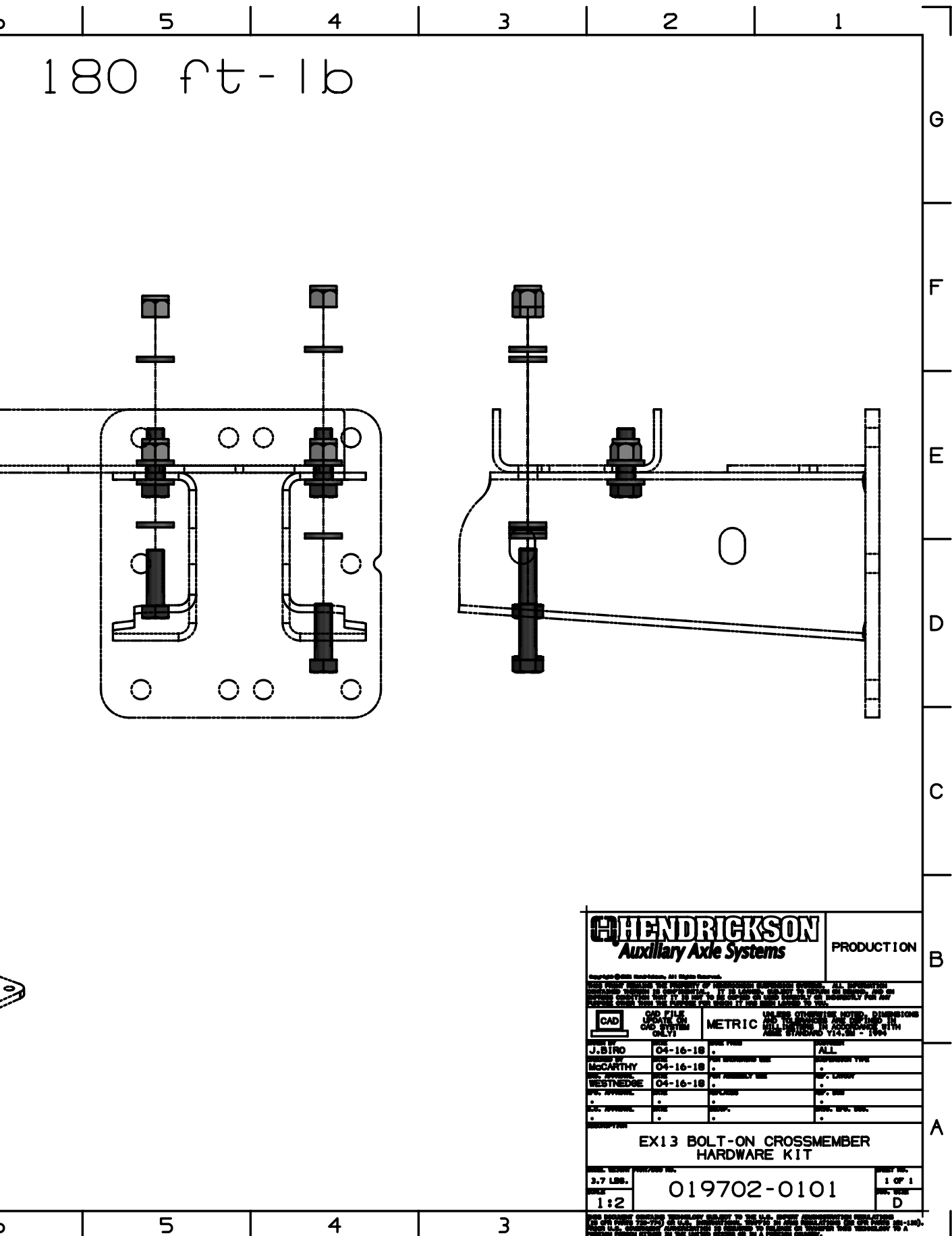


PART NUMBER	REMARKS
018816-01	VEHICLE LH SIDE (SHOWN)
018816-02	VEHICLE RH SIDE (SYMMETRICAL)

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DESIGN BY TOLLETT	DATE 10-03-19	DATE FROM .	CUSTOMER ALL
DRAWN BY WESTNEDGE	DATE 10-03-19	FOR MACHINING USE .	SUSPENSION TYPE .
DES. APPROVAL WESTNEDGE	DATE 10-03-19	FOR ASSEMBLY USE .	REF. LAYOUT .
ENG. APPROVAL .	DATE .	REPLACES .	REF. DIM. .
SEC. APPROVAL .	DATE .	DATE .	DATE, ENG. DES. .
DESCRIPTION CAST 6" OFFSET TRAILING ARM ASM			
SHELL METRIC PART/DWG NO. 21.63 LBS.		SHEET NO. 1 OF 1	
SCALE 1:1		DWG. SIZE D	
PART NUMBER 018816-00			

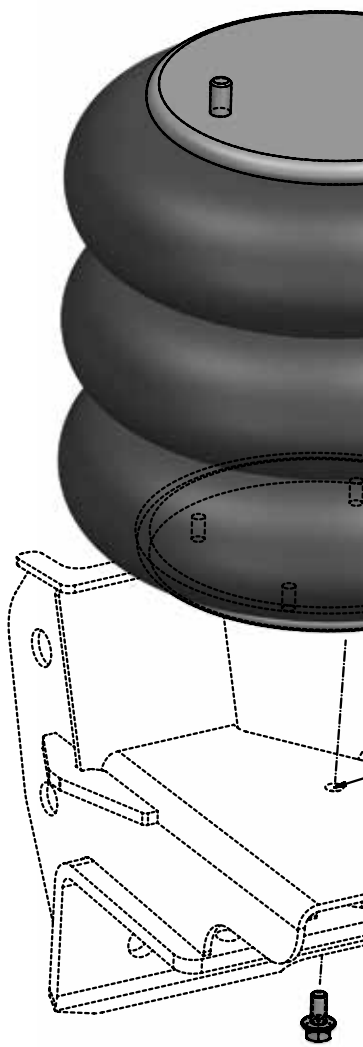
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	11	10	9	8	7	6
G						
F						
E						
D						
C						
B						
A						
	11	10	9	8	7	6

TRUCK
BOLT TORQUE : 2



NOTE:
1. THIS PRINT DEMONSTRATES THE TRUCK UNIT INSTALLATION
OF THE RIDE SPRING.

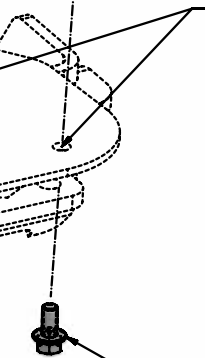


K :

28 ±2Ft Lbs.



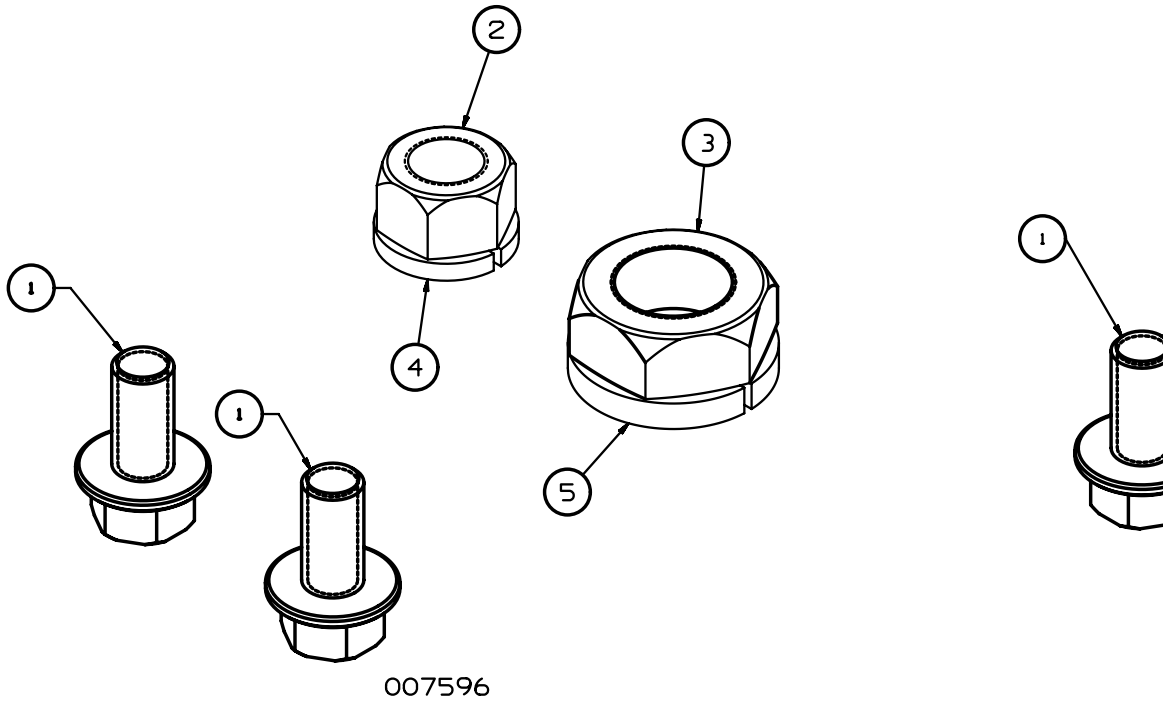
NON ROLL-OFF TRUCK SEATS WILL TYPICALLY ONLY HAVE 2 RIDE SPRING MOUNTING HOLES IN THEM.



2x
010061-0005
3/8"-16x3/4"
FLANGE BOLT

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DESIGN BY S.KOHLER	DATE 10-06-20	DATE FROM .	CUSTOMER ALL
DESIGNED BY SLOANAKER	DATE 12-09-20	FOR MACHINING USE .	SUSPENSION TYPE .
DESIGNED BY A.POWER	DATE 12-09-20	FOR ASSEMBLY USE .	REF. LAYOUT .
ENG. APPROVAL .	DATE .	REPLACES .	REF. BOB .
ENG. APPROVAL .	DATE .	DATE, ENG. DES. .	
DESCRIPTION EX TRUCK RIDE SPRING INSTALLATION DWG			
SHEET NO. 1 OF 1		SHEET NO. 1 OF 1	
SCALE 1:2		007596-0103	

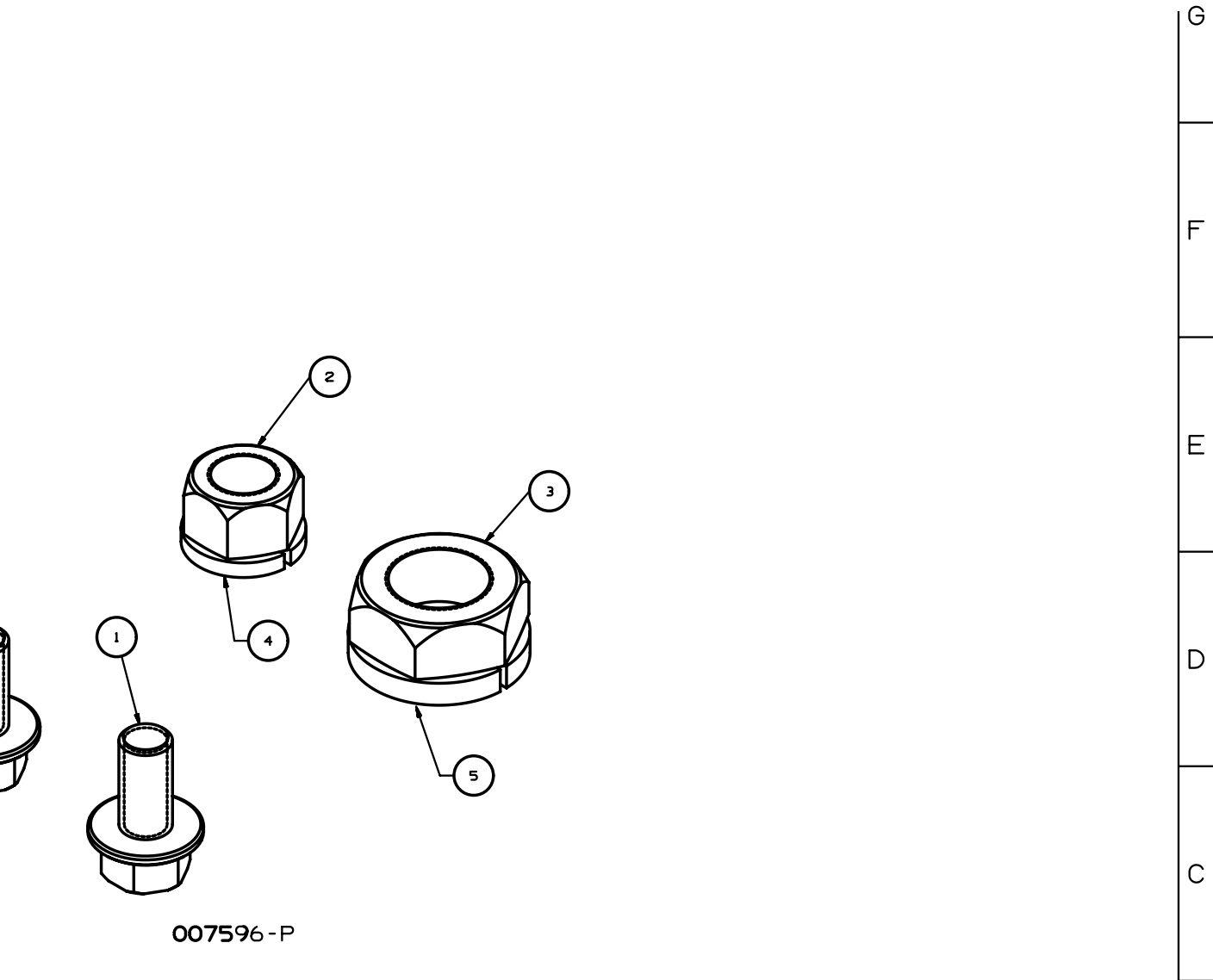
	11	10	9	8	7	6
	ITEM	PART NUMBER	DESCRIPTION	007596 QTY	007596-P QTY	(B)
	1	010061-0005	3/8-16X3/4 HEX FLANGE SCREW W/ PATCH	2	2	(C)
G	2	6008CH2HB	1/2-13 UNC ZINC HEX NUT GR B	1	1	
	3	6012FH2JB	3/4-16 UNF ZINC JAM NUT GR B	1	1	
	4	6208H2LR	1/2 ZINC LOCK WASHER REGULAR	1	1	
	5	6212H2LR	3/4 ZINC LOCK WASHER REGULAR	1	1	
F						
E						
D						
C						
B						
A						
	11	10	9	8	7	6





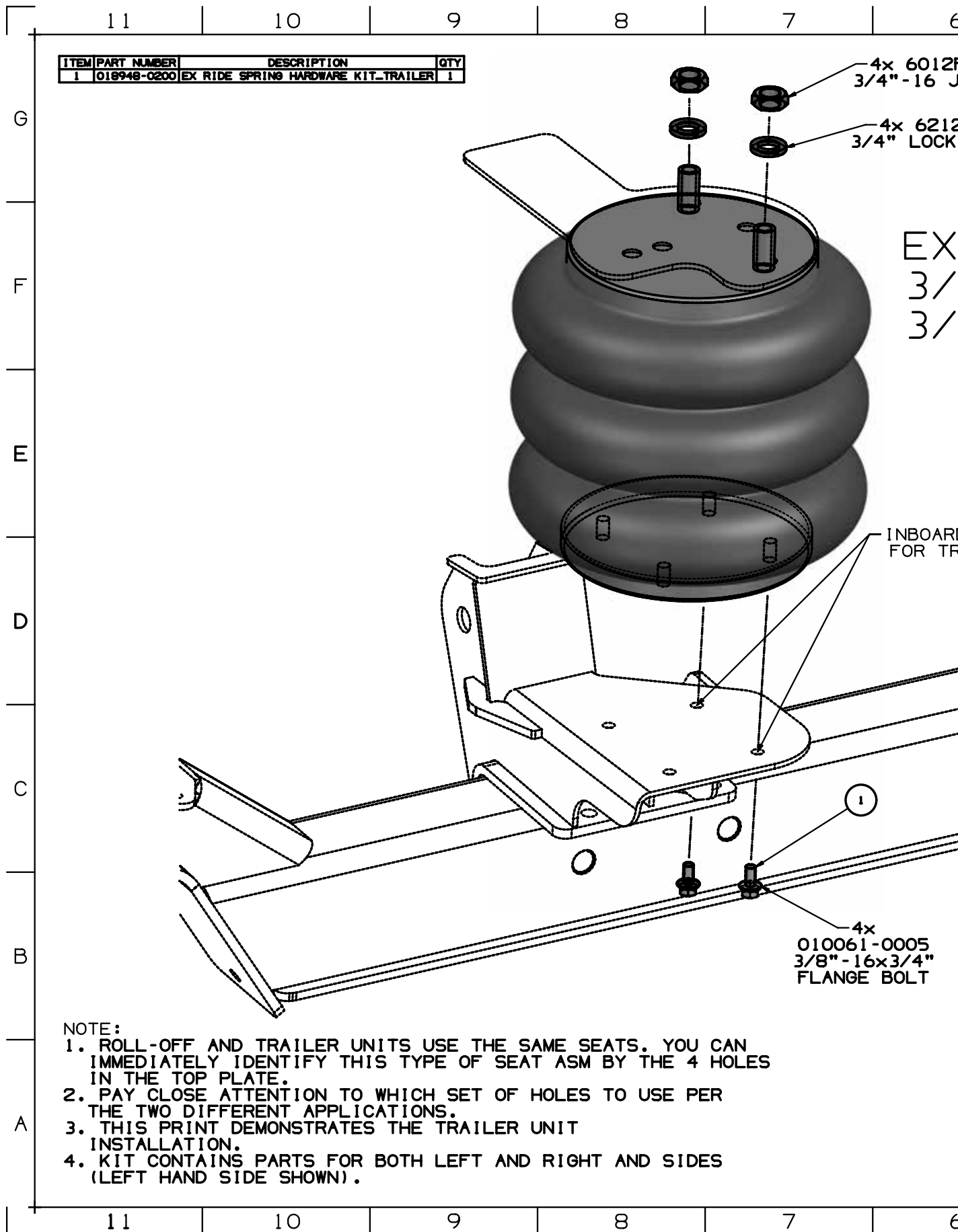
COMPOSILITE® EXF Non-Steerable Auxiliary Suspensions

	5	4	3	2	1
--	---	---	---	---	---



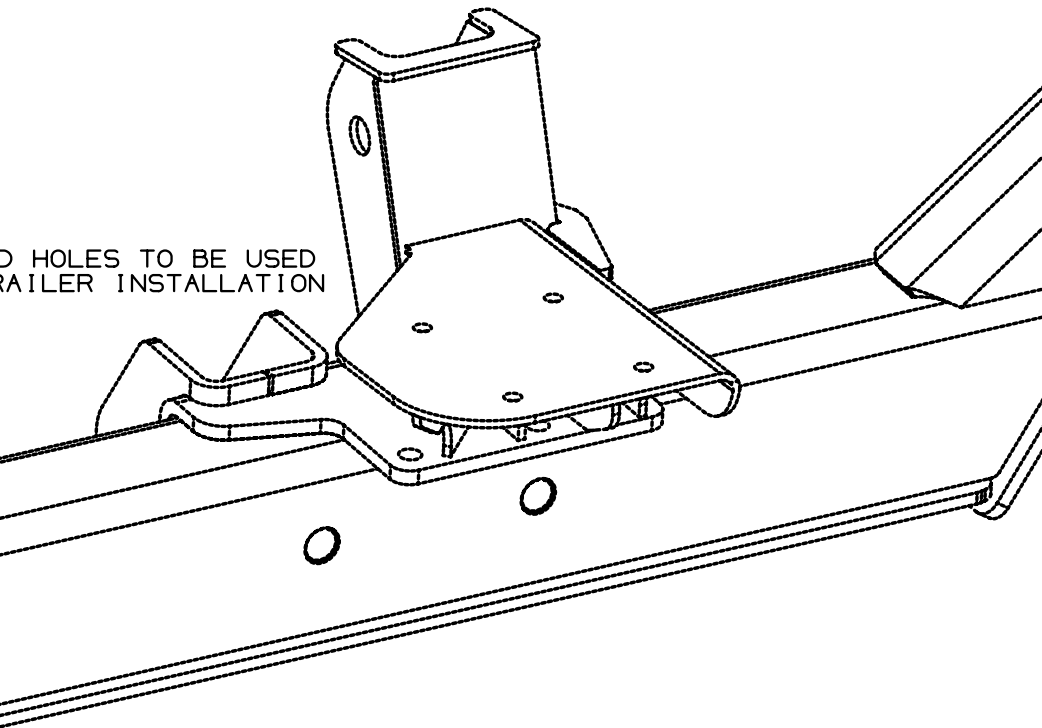
007596 - P

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☐ CAD	☐ UPDATE ON CAD SYSTEM ONLY	METRIC UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994	
DESIGN BY GALLAGHER	DATE 09-16-17	DATE FROM .	REVISION ALL
CHECKED BY MUTZNER	DATE 09-16-17	FOR MACHINING USE .	SUSPENSION TYPE .
DES. APPROVAL SLONAKER	DATE 09-16-17	FOR ASSEMBLY USE .	REF. LAYOUT .
ENG. APPROVAL .	DATE .	REPLACES .	REF. BOB .
STG. APPROVAL .	DATE .	DATE .	DATE, ENG. DES. .
DESCRIPTION BOLT KIT, AIR SPRING RIDE BAG			
SCALE 1:1		PART/ISS NO. 007596	
SCALE 1:1		ISSUE NO. 1 OF 1	
SCALE 1:1		REV. SIZE D	
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FH2JB
HAM NUTFH2LR
WASHER

13 TRAILER BUILD: TORQUE SPECS
8" - 16 BOLT BOLT: 28 ±2Ft Lbs.
4" - 16 BOLT BOLT: 48 ±2Ft Lbs.

D HOLES TO BE USED
TRAILER INSTALLATION**HENDRICKSON**
Auxiliary Axle Systems

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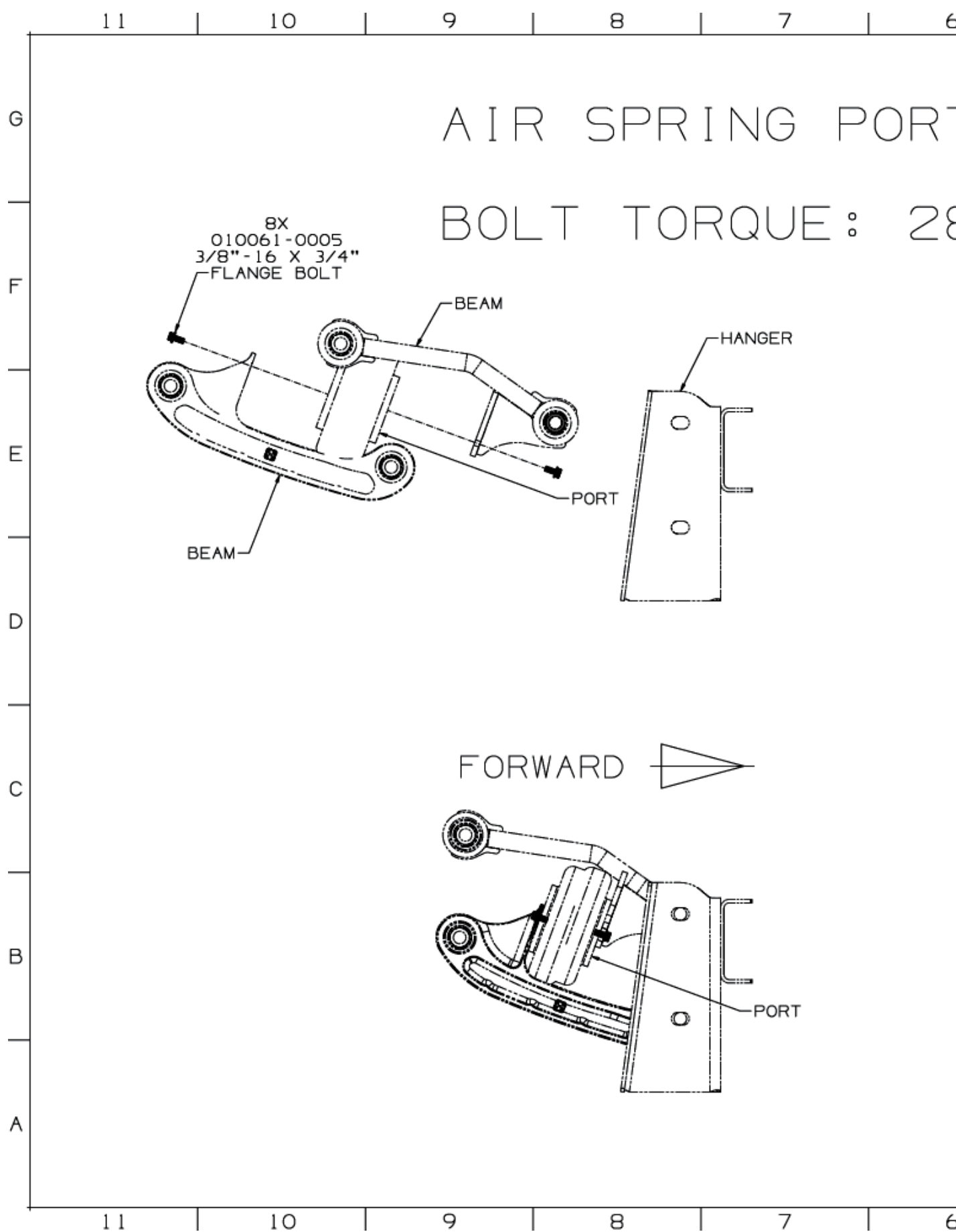
CAD	UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DESIGN BY	DATE	DATE FROM	DATE TO
S. KOHLER	1/22/21	.	ALL
DESIGNED BY	DATE	FOR WORKING USE	SUSPENSION TYPE
SLOAKER	1/22/21	.	.
REV. APPROVAL	DATE	FOR ASSEMBLY USE	REF. LAYOUT
A. POWER	1/22/21	.	.
REV. APPROVAL	DATE	REPLACES	REV. NO.
.	.	.	.
REV. APPROVAL	DATE	DATE	DATE, REV. NO.
.	.	.	.

DESCRIPTION

EX TRAILER RIDE SPRING
INSTALLATION DWG

SCALE	018948-0202	SHEET NO.
1:1		1 OF 1
		D

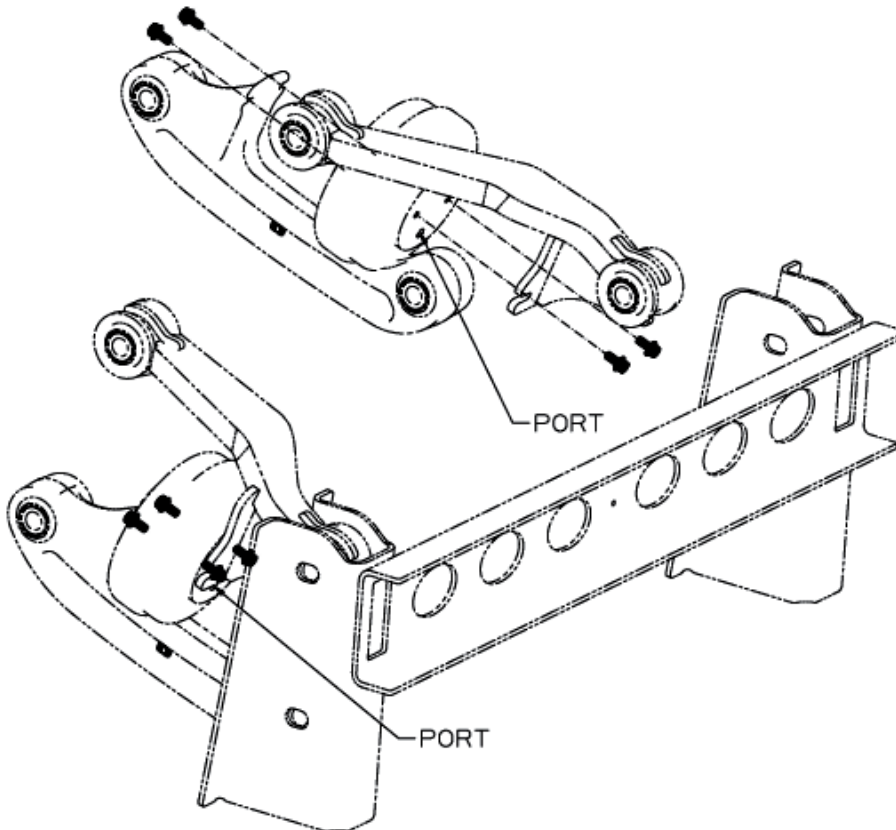
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T : FORWARD

B ±2 ft-lb



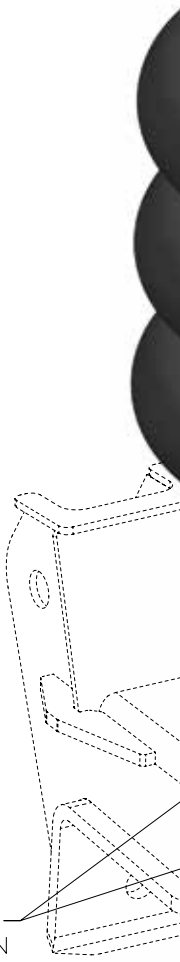
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	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DESIGNED BY J. BIRD	DATE 04-16-18	MADE FROM FOR MACHINING SEE	CUSTOMER ALL
DRAWN BY McCARTHY	DATE 04-16-18	FOR ASSEMBLY SEE	SUSPENSION TYPE
ENG. APPROVAL WESTNEDGE	DATE 04-16-18	REPLACES	REF. LAYOUT
MFG. APPROVAL	DATE	SOUTH	REF. BOM
I.C.E. APPROVAL	DATE		DATE, MFG. DWG.
DESCRIPTION			
EX LIFT SPRING ATTACHMENT PORT FORWARD			
MODEL, WEIGHT PART/ONS NO.		SHEET NO.	
.00 LBS.		1 OF 1	
SCALE 1:4		Dwg. Size D	
019701-0101			



	11	10	9	8	7	6
G	A FEW QUICK ROLL-OFF UNIT IDENTIFIERS: 1. THE UPPER A/S WELDMENT. 2. THE 4 HOLE SEAT ASSEMBLY IS ON A TRUCK UNIT (TRUCK UNITS WILL HAVE SIDE RAILS). 3. THE ROLL-OFF SPACERS ON SUSPENSION SIDE. NOTE, THIS IDENTIFIER IS NOT APPLICABLE ON THE PACCAR/PETERBILT UNITS.					
F						
E						
D						
C						
B						
A	NOTE: 1. ROLL-OFF AND TRAILER UNITS USE THE SAME SEATS. YOU CAN IMMEDIATELY IDENTIFY THIS TYPE OF SEAT ASM BY THE 4 HOLES IN THE TOP PLATE. 2. PAY CLOSE ATTENTION TO WHICH SET OF HOLES TO USE PER THE TWO DIFFERENT APPLICATIONS. 3. THIS PRINT DEMONSTRATES THE TRUCK ROLL-OFF UNIT INSTALLATION.					
	11	10	9	8	7	6

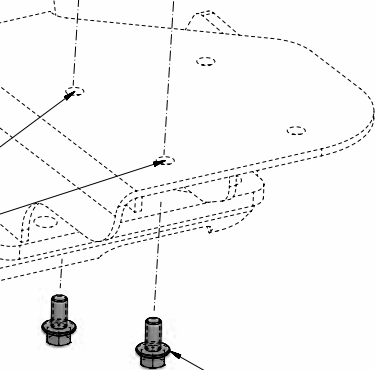
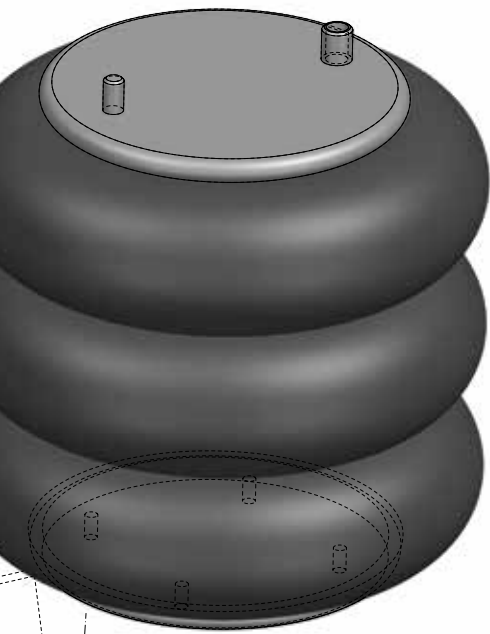
TRUCK
BOLT TORQUE

OUTBOARD HOLES TO BE USED FOR ROLL-OFF INSTALLATION



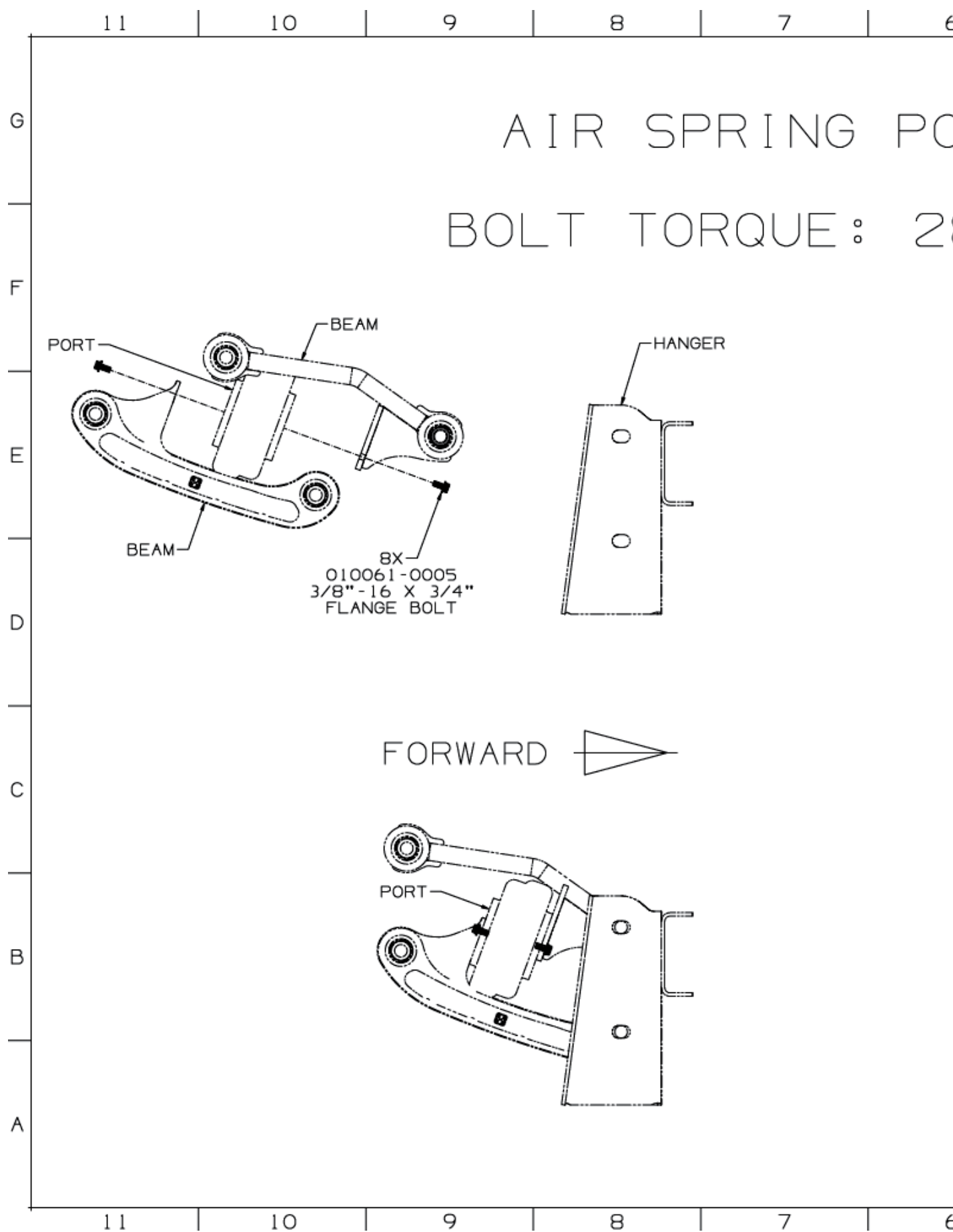


EX ROLL-OFF :
WEIGHT : 28 ±2Ft Lbs .



2x
010061-0005
3/8"-16x3/4"
FLANGE BOLT

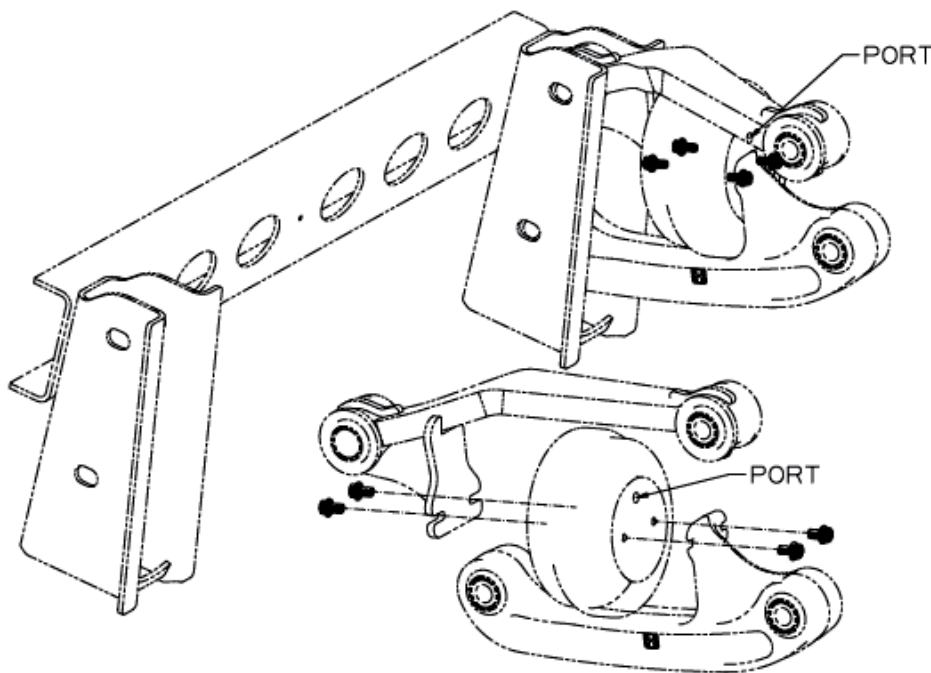
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☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DRAWN BY S.KOHLER	DATE 10-06-20	MAKE FROM .	CUSTOMER ALL
CHECKED BY SLONAKER	DATE 12-9-20	FOR MACHINING SEE .	SUSPENSION TYPE .
ENGR. APPROVAL A.POWER	DATE 12-9-20	FOR ASSEMBLY SEE .	REF. LAYOUT .
MFG. APPROVAL .	DATE .	REPLACES .	REF. BOM .
D.C. APPROVAL .	DATE .	EQUIP. .	DRG. MFG. DWS. .
DESCRIPTION			
EX ROLL-OFF RIDE SPRING INSTALLATION DWG			
MODEL WEIGHT PART/DWG NO. ..00 KG.			SHEET NO. 1 OF 1
SCALE 1 : 1			DWG. SIZE D
THIS DOCUMENT CONTAINS TECHNOLOGY SUBJECT TO THE U.S. EXPORT ADMINISTRATION REGULATIONS (15 CFR PARTS 730-774) OR U.S. INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (22 CFR PARTS 121-130). PRIOR U.S. GOVERNMENT AUTHORIZATION IS REQUIRED TO RELEASE OR TRANSFER THIS TECHNOLOGY TO A FOREIGN PERSON EITHER IN THE UNITED STATES OR IN A FOREIGN COUNTRY.			





PORT: REAR

8 ±2 ft-lb



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☒ CAD	CAD FILE UPDATE ON CAD SYSTEM ONLY	METRIC	UNLESS OTHERWISE NOTED, DIMENSIONS AND TOLERANCES ARE DEFINED IN MILLIMETERS IN ACCORDANCE WITH ASME STANDARD Y14.5M - 1994
DESIGNED BY J. BIRD	DATE 04-16-18	MADE FROM	CUSTOMER
DESIGNED BY McCARTHY	DATE 04-16-18	FOR MACHINING USE	SUSPENSION TYPE
ENG. APPROVAL WESTNEDGE	DATE 04-16-18	FOR ASSEMBLY USE	REF. LAYOUT
SPE. APPROVAL	DATE	REPLACES	REF. BOM
S.C. APPROVAL	DATE	EDDTP	DRIS, SPE, DWS
DESCRIPTION			
EX LIFT SPRING ATTACHMENT PORT REAR			
MODEL METRIC PART/ONS NO. -00 LBS. NONE		PART NO. 019701-0102 1 OF 1 REV. B18A D	



SPECIALTY PRODUCTS -
AUXILIARY AXLE Systems
277 North High Street
Hebron, OH 43025

1.866.755.5968 (Toll-free U.S. and Canada)
740.929.5600 Fax 740.929.5601

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All actual product performance may vary depending upon
vehicle configuration, operation, service and other factors.
All applications must comply with applicable Hendrickson
specifications and must be approved by the respective vehicle
manufacturer with the vehicle in its original, as-built
configuration.

Contact Hendrickson for additional details regarding
specifications, applications, capacities, and operation, service
and maintenance instructions.

H831 Rev A 05-23

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