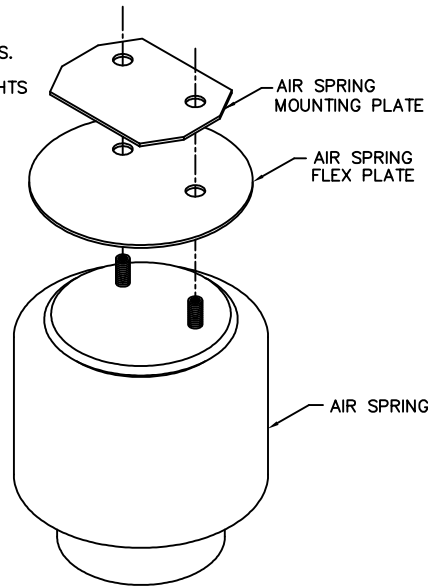
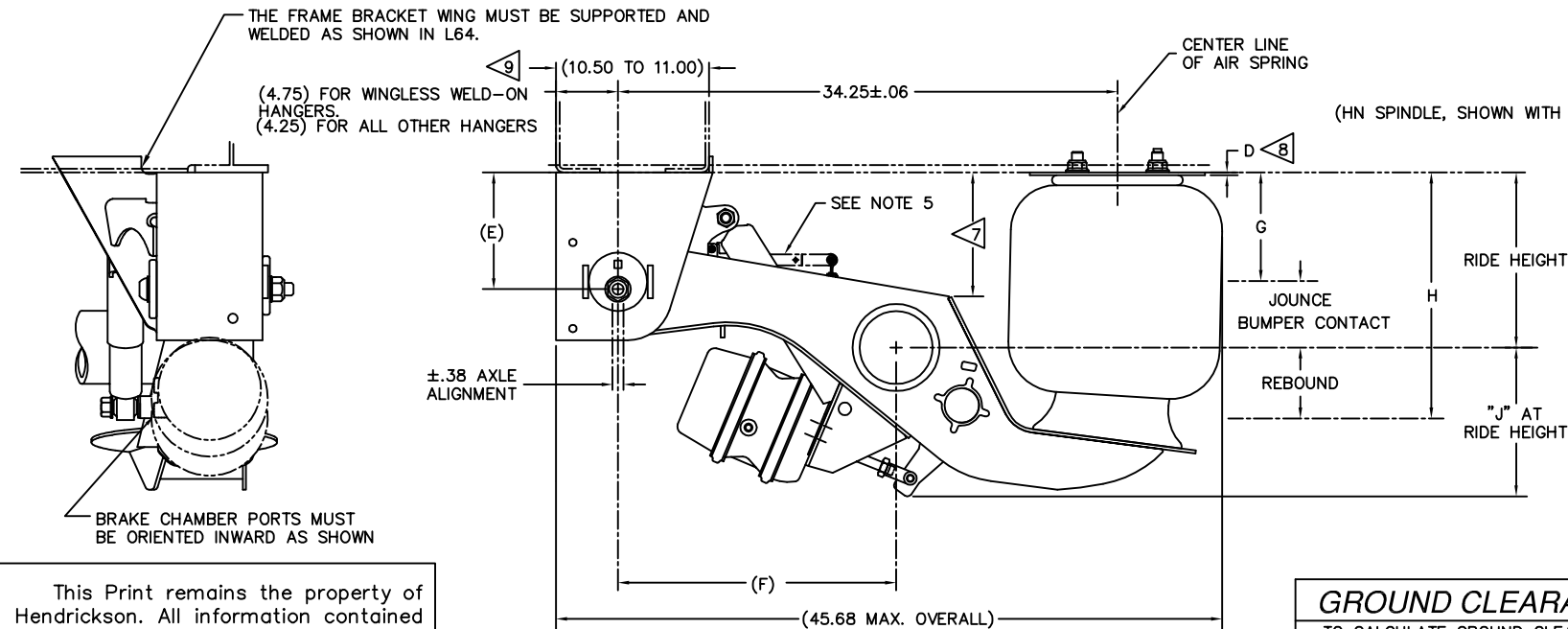
O.E.M. INSTALLED SHOCK BOLT KIT

- NOTES:**
1. SEE L1073 FOR INFORMATION ON ASSEMBLY, WELDING PROCEDURE, AND ALIGNMENT.
 2. SEE SERVICE MANUAL FOR INFORMATION CONCERNING MAINTENANCE PROCEDURE.
 3. MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:
OTHER PATENTS PENDING U.S. PATENT NOS. — 5,366,237 — 4,166,640
 4. REQUIRED CROSSMEMBER LOCATIONS ARE SHOWN. ACTUAL SIZE AND SHAPE MAY VARY WITH TRAILER DESIGN. IT IS THE RESPONSIBILITY OF THE SUSPENSION INSTALLER TO ENSURE STRUCTURAL ADEQUACY OF TRAILER FRAME AND CROSSMEMBERS.
 5. SEE L1182 FOR HEIGHT CONTROL KIT OPTIONS.
 6. SEE PAGE 8 AND 9 FOR C-CHANNEL AND FRAME BRACKET BRACE REQUIREMENTS.
 7. DO NOT ROUTE ITEMS THROUGH THIS AREA FOR 9.0 INCH AND LOWER RIDE HEIGHTS DUE TO MINIMAL BEAM TO FRAME CLEARANCE.
 8. TWO UPPER AIR SPRING PLATES ARE PROVIDED FOR 6.5", 7.5", 8.0" AND 9.0" RIDE HEIGHTS. SEE VIEW XX FOR INSTALLATION.
 9. SEE D-29431 FOR DIMENSIONS AND CROSSMEMBER LOCATIONS.
 10. FOR BOLT-ON MOUNTING PATTERNS, SEE DRAWING D-26651.



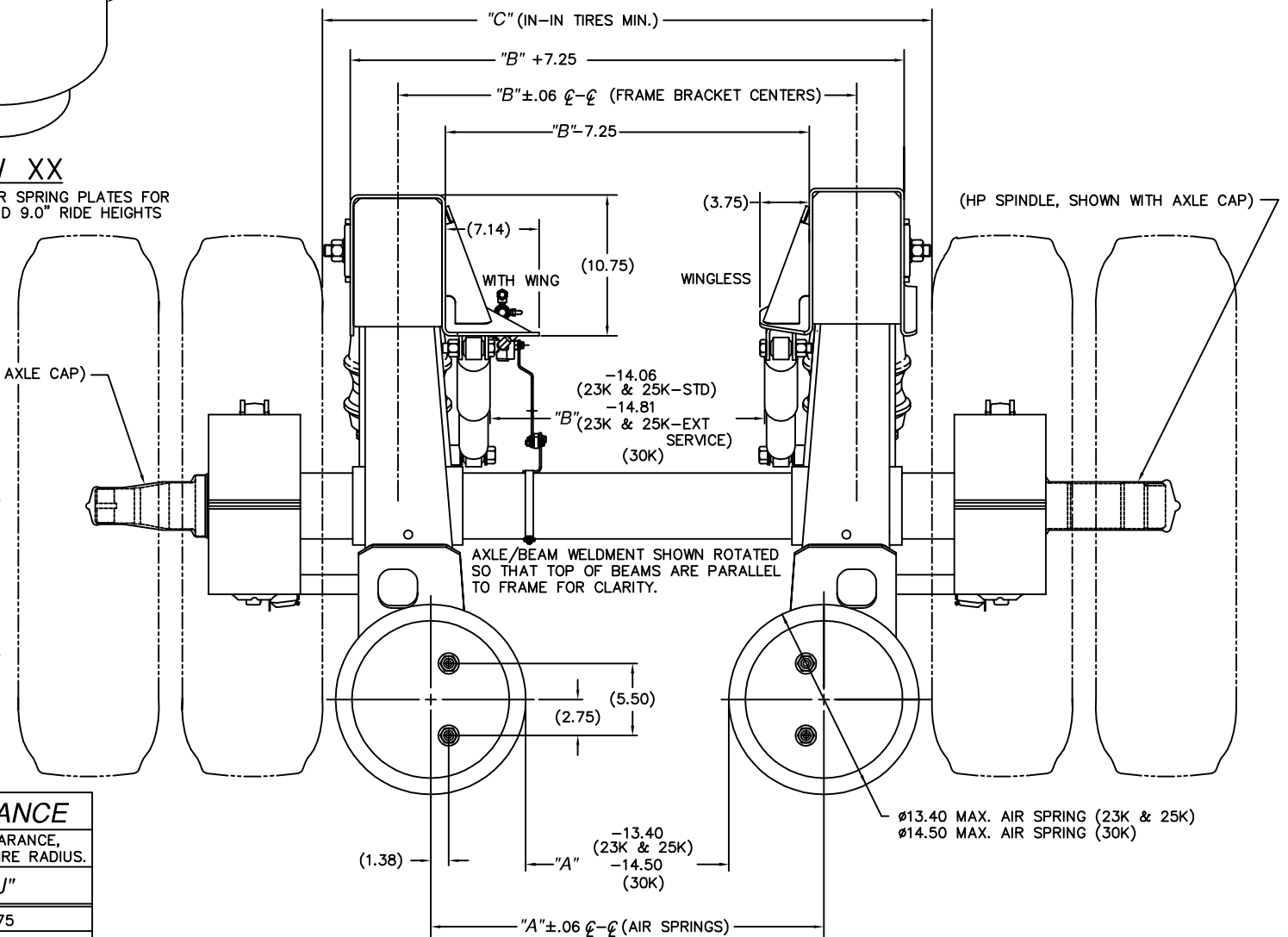
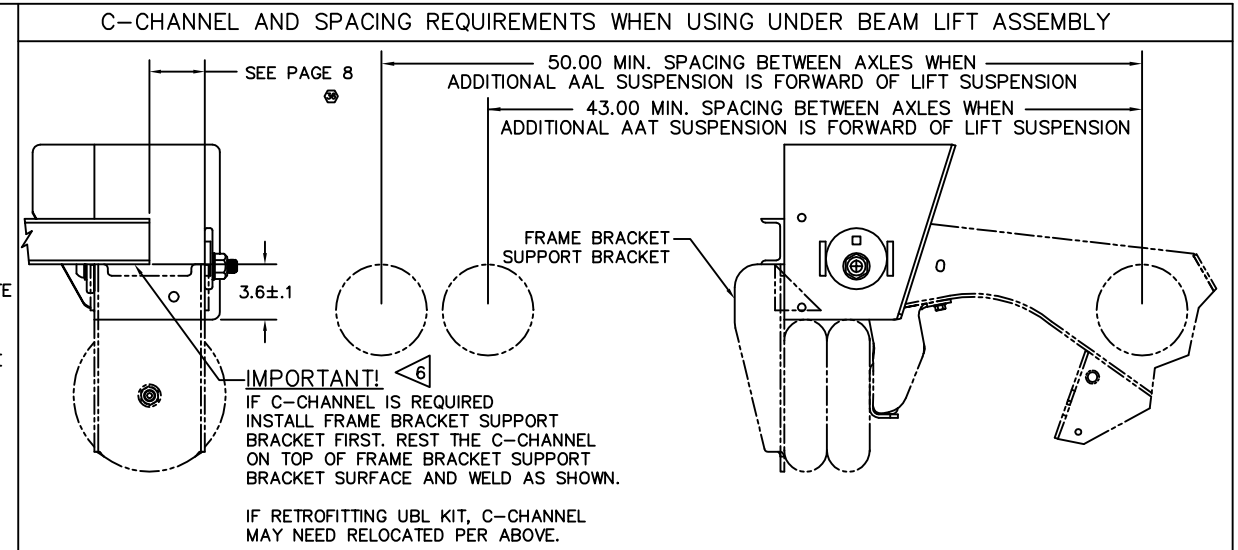
VIEW XX

INSTALLATION OF AIR SPRING PLATES FOR 6.5", 7.5", 8.0" AND 9.0" RIDE HEIGHTS



SEE PAGES 2, 3, 5 AND 6 FOR THE TABULATED DIMENSIONS SHOWN ABOVE

GROUND CLEARANCE	
TO CALCULATE GROUND CLEARANCE, SUBTRACT "J" FROM LOADED TIRE RADIUS.	
RIDE HEIGHT	"J"
6.5	9.75
7.5	9.83
8.0	9.88
9.0	10.04
12.0	9.95
14.0	9.95
15.0	10.32
16.0	9.93
17.0	10.32
19.0	




TORQUE SPECIFICATIONS

DESCRIPTION	SIZE	TORQUE (FT-LB)
SHOCK BOLTS	3/4-10	210-235
AIR SPRING NUTS, UPPER	3/4-16	80-100
AIR SPRING NUT, LOWER	1/2-13	25-35
S-CAM BEARING BOLTS	3/8-16	35-45
BRAKE CHAMBER MNTG. NUTS	5/8-11	100-110
ABS BRACKET BOLTS	1/4-20	75-100 IN-LB
BRAKE DUST SHIELD BOLTS	5/16-18	160-180 IN-LB

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






TRAILER COMMERCIAL VEHICLE SYSTEMS
2070 INDUSTRIAL BLVD SE CANTON, OH 44703-2800 U.S.A.

UNLESS OTHERWISE NOTED:		36	045136	D/D	10/18/24	DRAWN BY	
TOLERANCES ARE		35	042444	D/D	8-29-23		C. ANDERSON
DIMENSIONS ARE:		34	26252	ZAG	1/27/17	CH'D BY	
.X: ±		33	24594	DTU	08/03/15	7-22-99	DAUGHERTY
.XX: ±						AP'D BY:	
.XXX: ±							N. MYERS
ANGULAR: ±							
 3D ANGLE PROJECTION							
DIMENSIONS ADDHERE TO ANSI Y14.5M-1992		REV.		ECN NO.	BY	DATE	






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


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DRAWING No. D-25153		

STANDARD & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL 23K AND 25K										
RIDE HEIGHT	 JOUNCE	 REBOUND W/FRONT SHOCKS	   REBOUND W/REAR SHOCKS	BUMPER CONTACT	 D	E	F	 G	 H W/FRONT SHOCKS	  H W/REAR SHOCKS
6.5	2.3	4.5	3.9	1.9	.38	4.5	19.4	4.2	11.0	10.4
7.5	3.3	3.5	2.9	2.9			19.3			
8.0	3.8	5.2	4.7	3.4	.38	4.5	19.2	4.2	13.2	12.7
9.0	4.8	4.2	3.7	4.4	.38	4.5	19.0	4.2	13.2	12.7
12.0	5.3	4.8	3.4	4.9	.19	8.0	19.1	6.7	16.8	15.4
14.0	5.9	4.4	4.2	5.5	1.13	10.0	19.1	8.1	18.4	18.2
15.0	5.6	3.4	3.2	5.2	3.50	10.0	18.8	9.4	18.4	18.2
16.0	5.7	4.3	4.3	5.3	3.50	12.0	19.1	10.3	20.3	20.3
17.0	6.0	3.3	3.3	5.6	4.81	12.0	18.8	11.0	20.3	20.3
19.0	5.7	3.5	—	5.3	7.31	14.0	18.8	13.3	22.5	—

NOTES:





1. SEE L729 FOR SUSPENSION WEIGHT.
2. SEE L1073 FOR ALLOWABLE RIDE HEIGHT RANGES.
-  JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.
-  DIMENSIONS "G" & "H" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.
-  WHEN THE OPTION FOR FRONT AND REAR SHOCKS IS SELECTED, DIMENSIONS FROM "REBOUND WITH REAR SHOCKS" AND "H WITH REAR SHOCKS" SHOULD BE USED
-  TWO UPPER AIR SPRING PLATES ARE PROVIDED FOR 6.5", 7.5", 8.0", AND 9.0" RIDE HEIGHTS. SEE VIEW XX ON PAGE 1 FOR INSTALLATION.
-  AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

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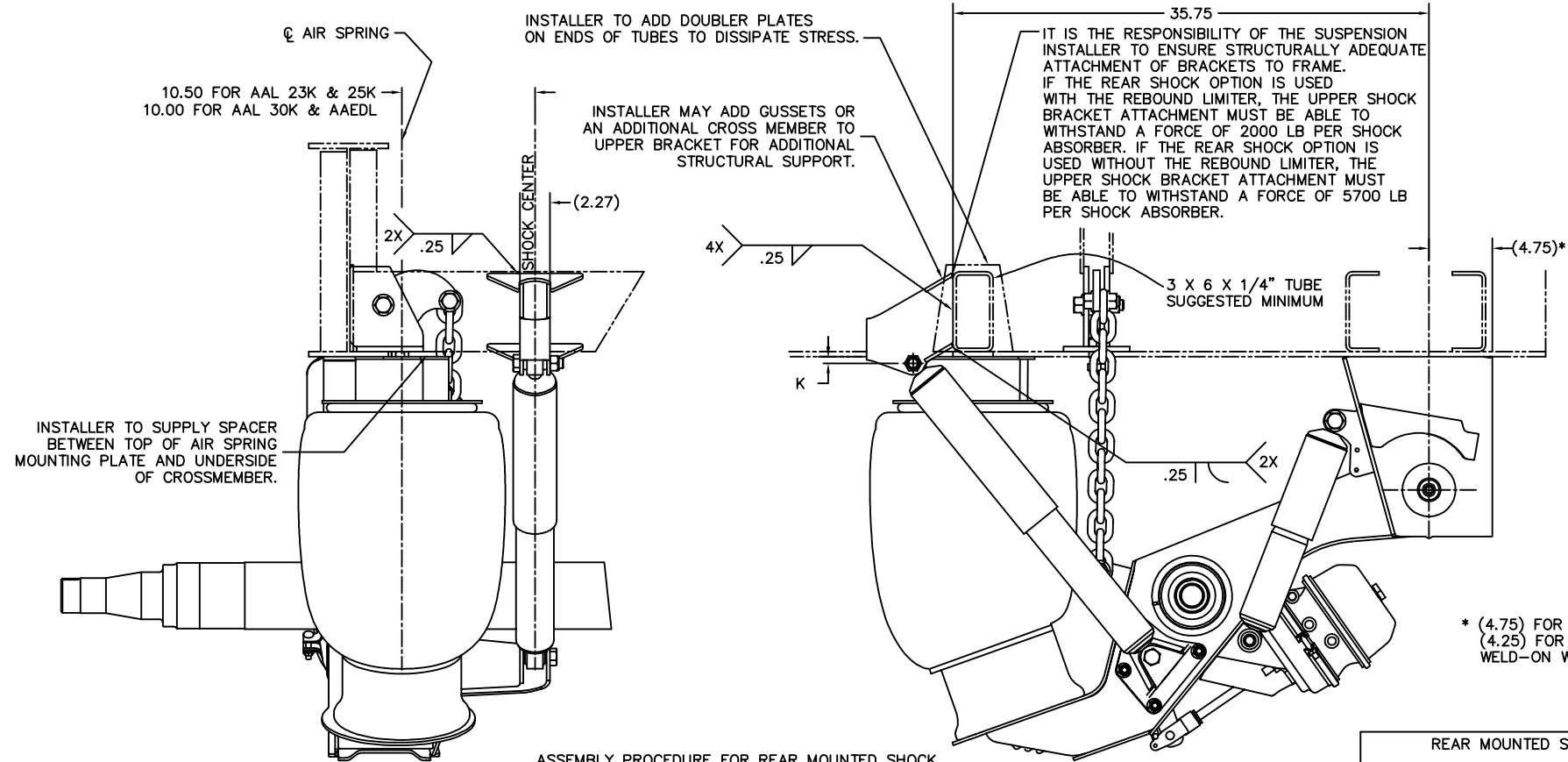
STANDARD & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAEDL										
RIDE HEIGHT	 JOUNCE	 REBOUND W/FRONT SHOCKS	 REBOUND W/REAR SHOCKS	BUMPER CONTACT	D	E	F	 G	 H W/FRONT SHOCKS	 H W/REAR SHOCKS
9.0	4.6	4.0	3.7	4.0	.19	4.5	19.0	4.4	13.0	12.7
12.0	5.3	4.6	3.4	4.8	.19	8.0	19.1	6.7	16.6	15.4
14.0	5.9	4.3	4.2	5.4	1.13	10.0	19.1	8.1	18.3	18.2
15.0	5.6	3.3	3.2	5.0	3.50	10.0	18.8	9.4	18.3	18.2
16.0	5.7	4.2	4.3	5.2	3.50	12.0	19.1	10.3	20.2	20.3
17.0	6.0	3.2	3.3	5.4	4.81	12.0	18.8	11.0	20.2	20.3
19.0	5.7	3.4	—	5.1	7.31	14.0	18.8	13.3	22.4	—

NOTES:

1. SEE L729 FOR SUSPENSION WEIGHT.
2. SEE L1073 FOR ALLOWABLE RIDE HEIGHT RANGES.

-  JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.
-  DIMENSIONS "G" & "H" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.
-  WHEN THE OPTION FOR FRONT AND REAR SHOCKS IS SELECTED, DIMENSIONS FROM "REBOUND WITH REAR SHOCKS" AND "H WITH REAR SHOCKS" SHOULD BE USED
-  AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

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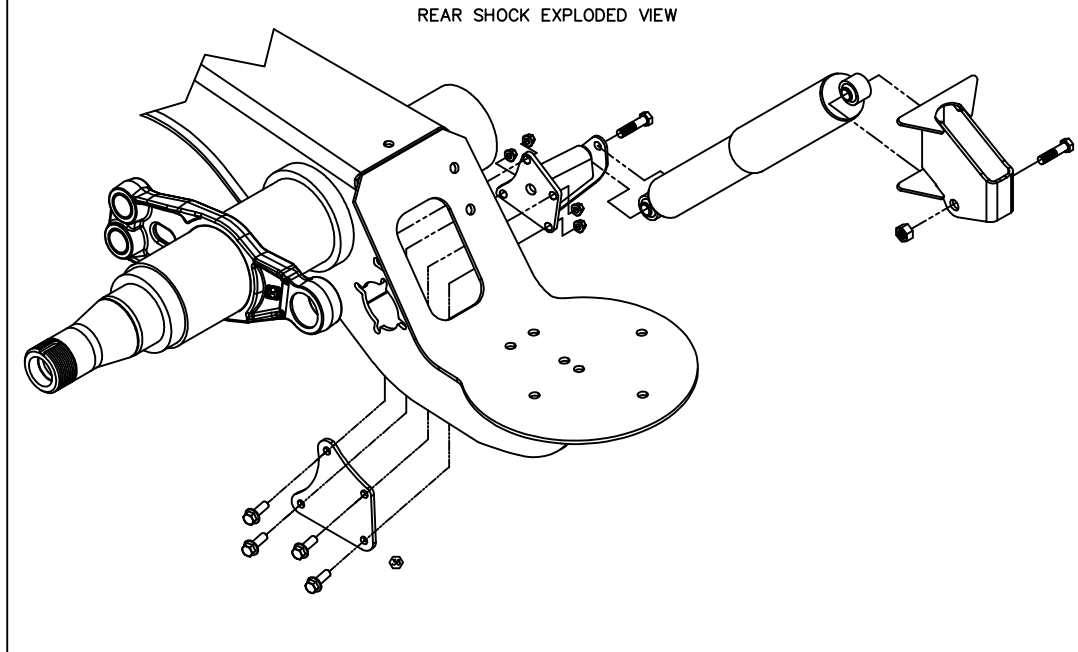


ASSEMBLY PROCEDURE FOR REAR MOUNTED SHOCK

1. SET SUSPENSION TO RIDE HEIGHT.
2. LOCATE UPPER SHOCK BRACKET ACCORDING TO SHOWN DIMENSIONS AND WELD INTO PLACE. CROSSMEMBER MUST BE 6 X 3 X 1/4" MINIMUM TO WITHSTAND TORSION.
3. BOLT LOWER SHOCK TOWER BRACKET AND BACKING PLATE TO BEAM USING 1/2-13 FLANGE BOLTS AND LOCKING FLANGE NUTS.
4. BOLT TOP OF SHOCK TO UPPER BRACKET USING THE CLEVIS INDICATED FOR THE APPLICATION'S RIDE HEIGHT (SEE "REAR MOUNTED SHOCK" CHART). BOLT BOTTOM OF SHOCK TO LOWER SHOCK TOWER BRACKET. TIGHTEN ALL FASTENERS TO SPECIFIED TORQUE.

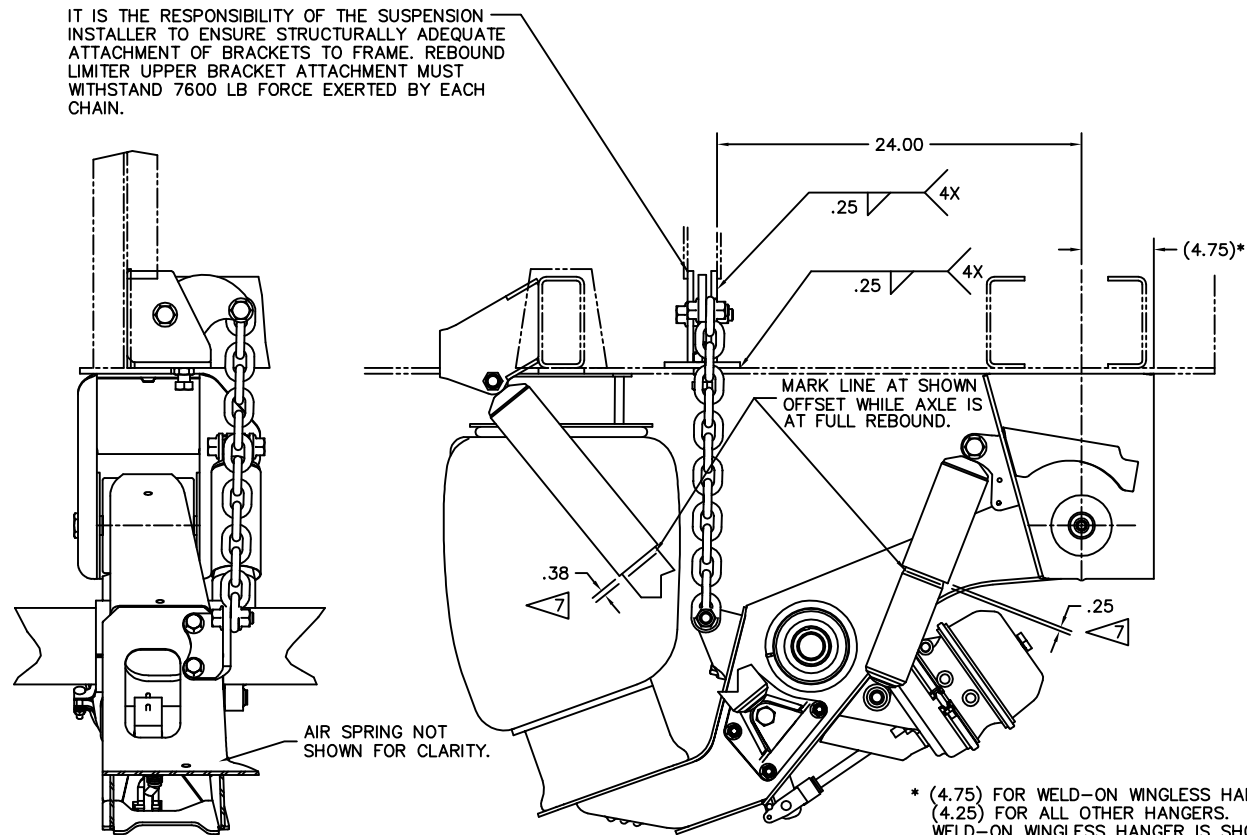
REAR MOUNTED SHOCK		
RIDE HEIGHT	CLEVIS P/N	DIM "K"
6.5	C-29967	.50
7.5		
8		
9		
12	C-25420	3.59
14	C-29967	.50
15		
16	C-25420	3.59
17		

* (4.75) FOR WELD-ON WINGLESS HANGERS ONLY.
(4.25) FOR ALL OTHER HANGERS.
WELD-ON WINGLESS HANGER IS SHOWN.



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TORQUE SPECIFICATIONS		
DESCRIPTION	SIZE	TORQUE (FT-LB)
SHOCK ABSORBER BOLTS	3/4-10	210-235
LOWER SHOCK TOWER BOLTS	1/2-13	100-110
LOWER CHAIN BRACKET BOLTS	5/8-11	200-220
UPPER CHAIN BRACKET BOLTS	3/4-10	240-260
CHAIN ATTACHMENT BOLTS	3/4-10	240-260
JAM NUT	3/4-10	240-260



VIEW B
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OPTION 1
REINFORCEMENT GUSSETS

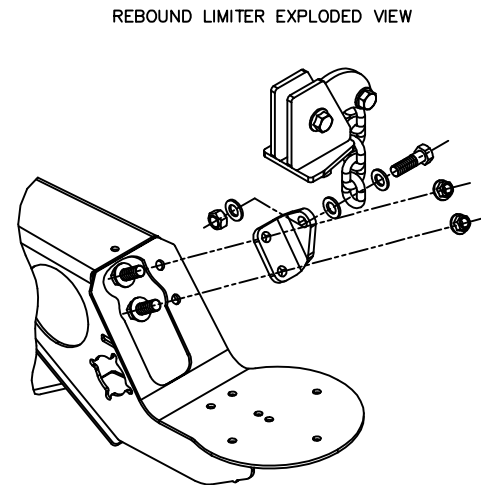
VIEW C
SCALE: 1.00=8.00
OPTION 2
WEB STIFFENERS

CHAIN LENGTH	
RIDE HEIGHT	# OF LINKS
8	10
9	10
12	12
14	14
15	14
16	14
17	14
19	16

* (4.75) FOR WELD-ON WINGLESS HANGERS ONLY.
(4.25) FOR ALL OTHER HANGERS.
WELD-ON WINGLESS HANGER IS SHOWN.

ASSEMBLY PROCEDURE FOR REBOUND LIMITER

1. RAISE REAR OF TRAILER AND SUPPORT SECURELY. TRAILER MUST BE HIGH ENOUGH FOR THE SUSPENSION TO BE AT FULL REBOUND WITHOUT TIRES TOUCHING GROUND.
2. POSITION UPPER BRACKET ASSEMBLIES ON FRAME RAILS TO INDICATED DIMENSION AND CLAMP INTO PLACE.
3. ATTACH LOWER BRACKETS TO TRAILING ARMS USING THE FOUR 5/8" FLANGE BOLTS AND NUTS.
4. VERIFY THAT THE CHAINS HAVE THE CORRECT NUMBER OF LINKS INDICATED FOR THE APPLICATION'S RIDE HEIGHT (SEE "CHAIN LENGTH" CHART). ATTACH CHAINS TO LOWER AND UPPER BRACKETS USING THE 3/4" BOLTS, NUTS, AND WASHERS AS SHOWN IN EXPLODED VIEW.
5. ROTATE THE ADJUSTMENT BOLT UNTIL THE SLACK IS TAKEN OUT OF THE CHAINS.
6. WELD THE UPPER BRACKETS TO THE FRAME AS SHOWN. BRACKETS MUST BE ADEQUATELY ATTACHED TO FRAME USING ONE OF TWO METHODS: WEB STIFFENER PLATES OR SUPPLEMENTARY GUSSETS. (SEE VIEW "B" AND "C").
7. ON REAR MOUNTED SHOCK ABSORBERS, MEASURE 3/8" OFFSET FROM THE BOTTOM EDGE OF THE SHOCK ABSORBER DUST TUBE AND MARK WITH A PAINT PEN OR FELT TIP MARKER. IF THE SUSPENSION IS NOT EQUIPPED WITH REAR SHOCKS, OFFSET 1/4" ON THE FRONT SHOCK AND MARK. (SEE FRONT VIEW).
8. ROTATING THE ADJUSTMENT BOLTS ON EACH SIDE, RAISE THE AXLE UNTIL THE BOTTOM EDGES OF THE SHOCK DUST TUBES ARE ALIGNED WITH THE MARKS.
9. TIGHTEN ALL FASTENERS, INCLUDING JAM NUT, TO SPECIFIED TORQUE. (SEE "TORQUE SPECIFICATIONS" CHART).



H. HENDRICKSON

TRAILER COMMERCIAL VEHICLE SYSTEMS
2870 INDUSTRIAL PLACE SE., CANTON, OH 44705-3005 U.S.A.

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ANGULARS:		33	24594	DTU	09/03/15	REV.		
DIMENSIONS ADHERE TO ANSI Y14.5M-1982				REV.		DATE		







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
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SIZE: D
PAGE: 4 OF 9
D-25153

LIMITED JOUNCE & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL 23K & 25K										
RIDE HEIGHT	 JOUNCE	 REBOUND W/FRONT SHOCKS	 REBOUND W/REAR SHOCKS	BUMPER CONTACT	D	E	F	 G	 H W/FRONT SHOCKS	 H W/REAR SHOCKS
8.0	3.2	5.2	4.7	2.8	1.50	4.5	19.2	4.8	13.2	12.7
9.0	3.7	4.2	3.7	3.3	2.25	4.5	19.0	5.3	13.2	12.7
12.0	4.2	4.8	3.4	3.8	2.25	8.0	19.1	7.8	16.8	15.4
14.0	4.6	4.4	4.2	4.2	3.50	10.0	19.1	9.4	18.4	18.2
15.0	4.6	3.4	3.2	4.2	5.31	10.0	18.8	10.4	18.4	18.2
16.0	4.7	4.3	4.3	4.3	5.31	12.0	19.1	11.3	20.3	20.3
17.0	4.6	3.3	3.3	4.2	7.31	12.0	18.8	12.4	20.3	20.3
19.0	4.6	3.5	—	4.2	9.25	14.0	18.8	14.4	22.5	—

NOTES:

- 1. SEE L729 FOR SUSPENSION WEIGHT.
- 2. SEE L1073 FOR ALLOWABLE RIDE HEIGHT RANGES.

 JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.

 DIMENSIONS "G" & "H" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.


 WHEN THE OPTION FOR FRONT AND REAR SHOCKS IS SELECTED, DIMENSIONS FROM "REBOUND WITH REAR SHOCKS" AND "H WITH REAR SHOCKS" SHOULD BE USED








 AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

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

36

P
PRODUCTION










<div>HENDRICKSON</div> <div>TRAILER COMMERCIAL VEHICLE SYSTEMS</div> <div>2070 INDUSTRIAL PLAZA S.E., CANTON, OH 44707-2800 U.S.A.</div>	UNLESS OTHERWISE NOTED: TOLERANCES ARE:		DIMENSIONS ARE:		J05 045136 D/D 10/18/24	DRAWN BY	C. ANDERSON	6-7-00	INTRAAX® AAL, AAEDL INSTALLATION DRAWING	SCALE 1.00=1.00	SIZE D	PAGE 5 OF 9
	X: ± .		INCHES		J35 045444 D/D 8-29-23	CHCK'D BY	8-27-00 DAUGHERTY	THIS DRAWING IS THE CONFIDENTIAL PROPERTY OF HENDRICKSON				
	Y: ± .				J36 26252 2AG 1/27/17	APPRO BY:	N. MYERS					
	Z: ± .		3RD ANGLE PROJECTION		J37 24594 D/D 08/23/15							
ANGULAR: ± .		DIMENSIONS ADHERE TO		ANSI Y14.5M-1982	REV.	ECH	NO.	BY	DATE	D-25153		

STANDARD & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL 30K										
RIDE HEIGHT	 JOUNCE	 REBOUND W/FRONT SHOCKS	 REBOUND W/REAR SHOCKS	BUMPER CONTACT	 D	E	F	 G	 H W/FRONT SHOCKS	 H W/REAR SHOCKS
9.0	4.5	4.2	3.7	3.9	.38	4.5	19.0	4.5	13.2	12.7
12.0	5.3	4.8	3.4	4.8	.19	8.0	19.1	6.7	16.8	15.4
14.0	5.9	4.4	4.2	5.4	1.13	10.0	19.1	8.1	18.4	18.2
15.0	5.6	3.4	3.2	5.0	3.50	10.0	18.8	9.4	18.4	18.2
16.0	5.7	4.3	4.3	5.2	3.50	12.0	19.1	10.3	20.3	20.3
17.0	6.0	3.3	3.3	5.4	4.81	12.0	18.8	11.0	20.3	20.3
19.0	5.7	3.5	—	5.1	7.31	14.0	18.8	13.3	22.5	—





NOTES:

1. SEE L729 FOR SUSPENSION WEIGHT.
2. SEE L1073 FOR ALLOWABLE RIDE HEIGHT RANGES.
-  JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.
-  DIMENSIONS "G" & "H" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.
-  WHEN THE OPTION FOR FRONT AND REAR SHOCKS IS SELECTED, DIMENSIONS FROM "REBOUND WITH REAR SHOCKS" AND "H WITH REAR SHOCKS" SHOULD BE USED
-  TWO UPPER AIR SPRING PLATES ARE PROVIDED FOR 9.0" RIDE HEIGHT. SEE VIEW XX ON PAGE 1 FOR INSTALLATION.
-  AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

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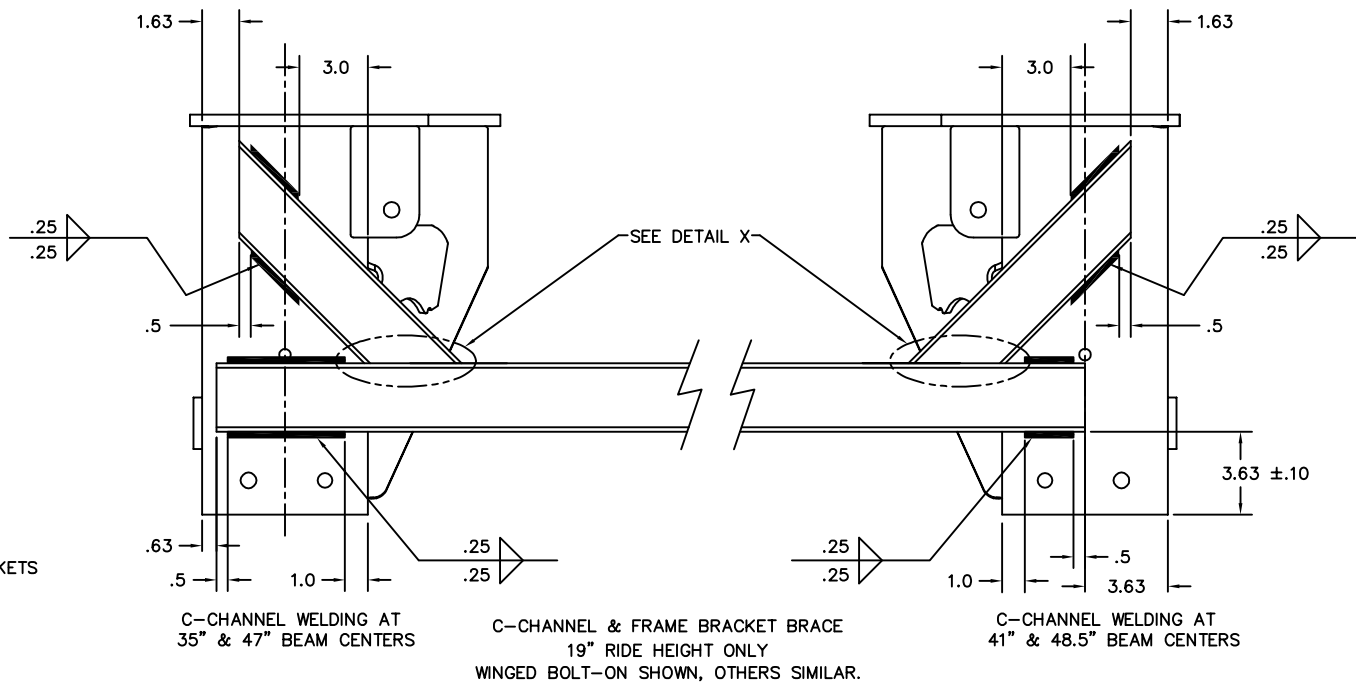
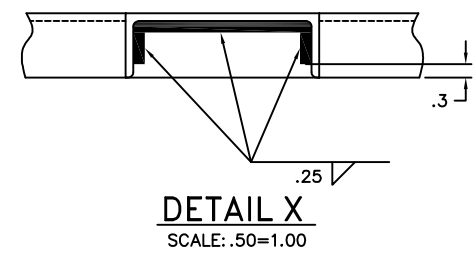
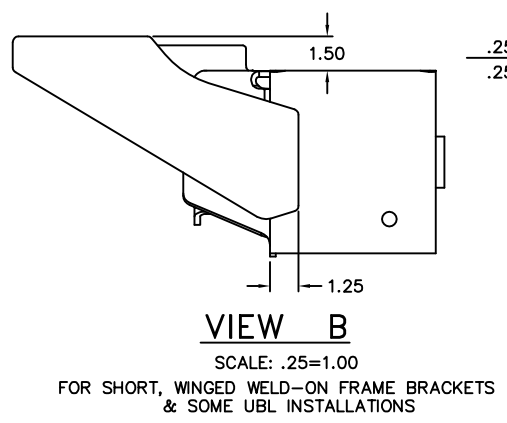
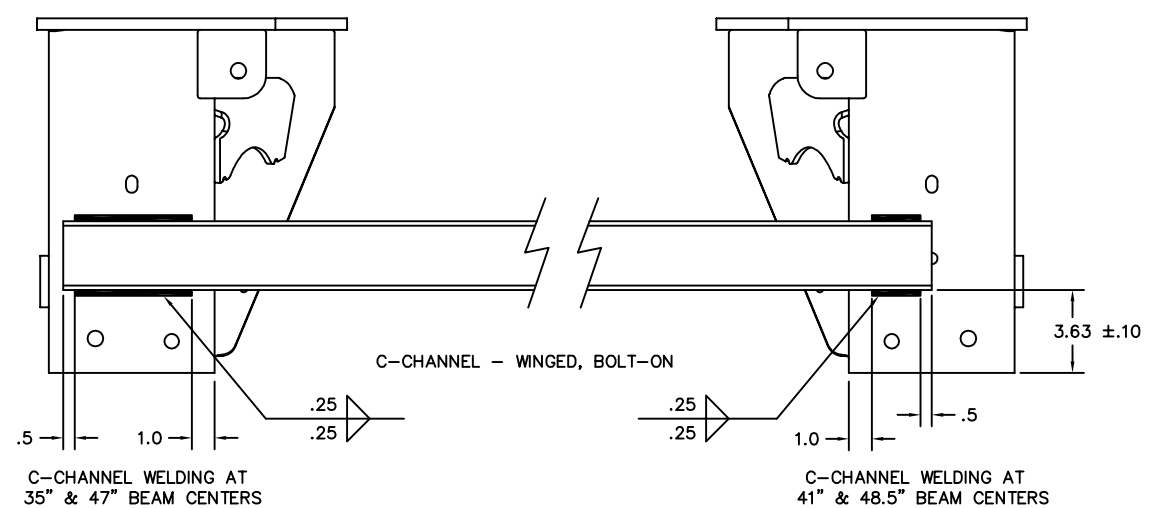
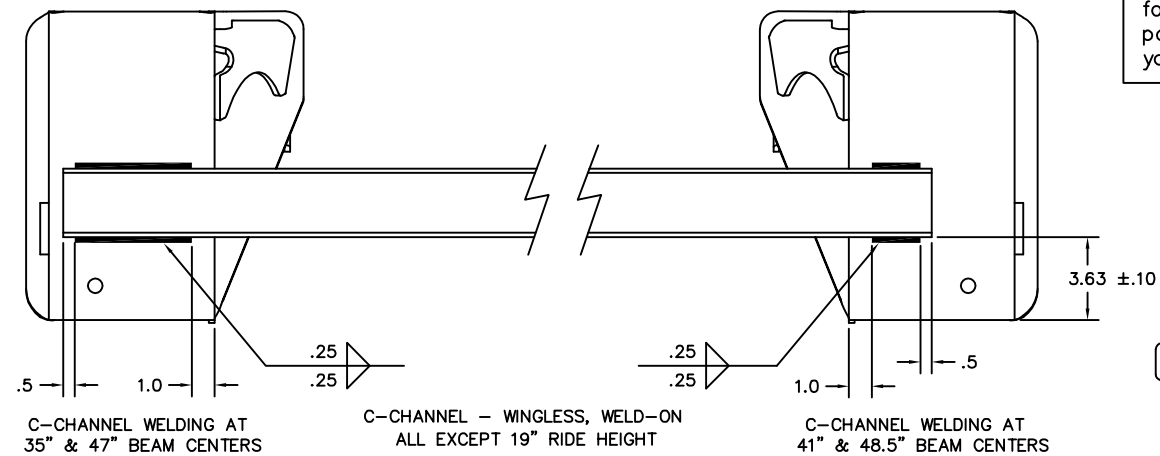
LIMITED JOUNCE & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL 30K										
RISE HEIGHT	 JOUNCE	 REBOUND W/FRONT SHOCKS	   REBOUND W/REAR SHOCKS	BUMPER CONTACT	D	E	F	 G	 H W/FRONT SHOCKS	  H W/REAR SHOCKS
9.0	3.4	4.2	3.7	2.9	2.25	4.5	19.0	5.6	13.2	12.7
12.0	4.2	4.8	3.4	3.6	2.25	8.0	19.1	7.8	16.8	15.4
14.0	4.6	4.4	4.2	4.0	3.50	10.0	19.1	9.4	18.4	18.2
15.0	4.6	3.4	3.2	4.0	5.31	10.0	18.8	10.4	18.4	18.2
16.0	4.7	4.3	4.3	4.1	5.31	12.0	19.1	11.3	20.3	20.3
17.0	4.6	3.3	3.3	4.0	7.31	12.0	18.8	12.4	20.3	20.3
19.0	4.6	3.5	—	4.1	9.25	14.0	18.8	14.4	22.5	—

NOTES:

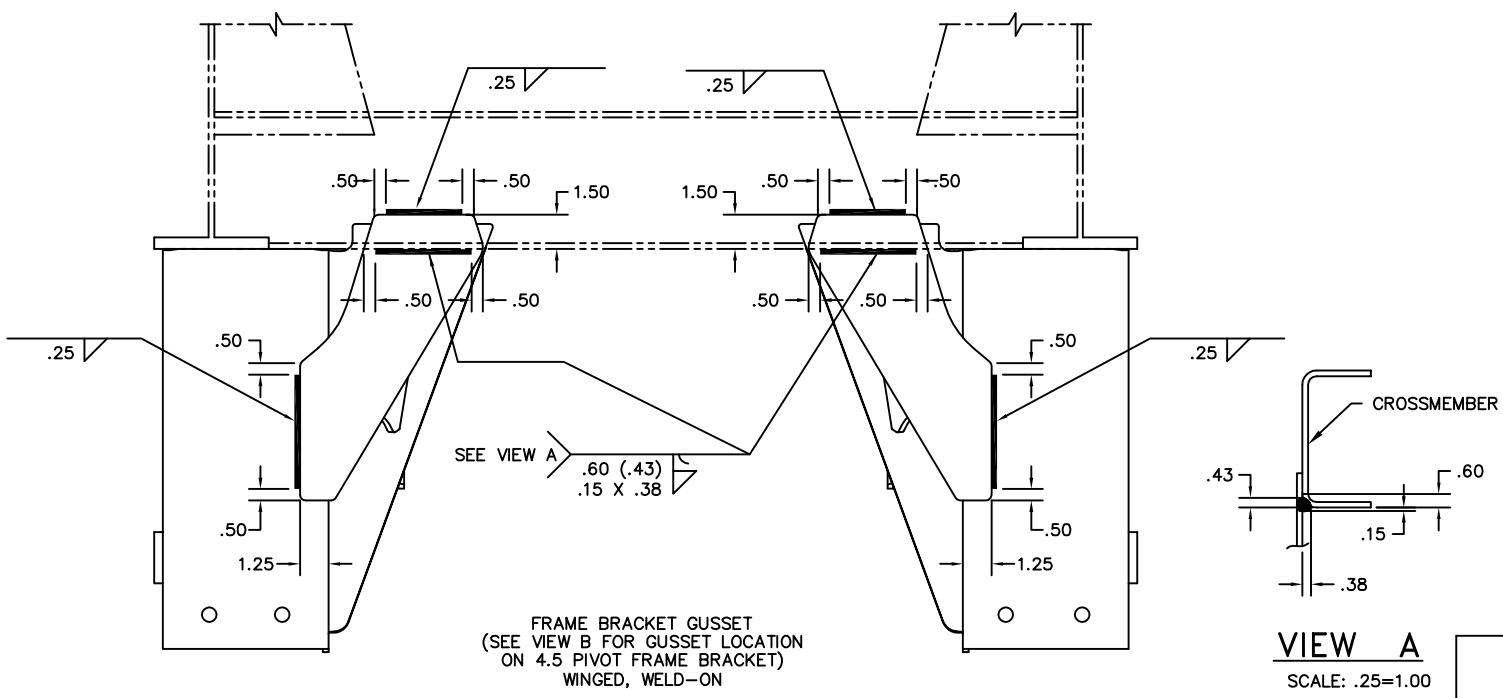
1. SEE L729 FOR SUSPENSION WEIGHT.
2. SEE L1073 FOR ALLOWABLE RIDE HEIGHT RANGES.
-  JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.
-  DIMENSIONS "G" & "H" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.
-  WHEN THE OPTION FOR FRONT AND REAR SHOCKS IS SELECTED, DIMENSIONS FROM "REBOUND WITH REAR SHOCKS" AND "H WITH REAR SHOCKS" SHOULD BE USED
-  AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

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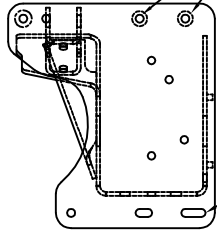
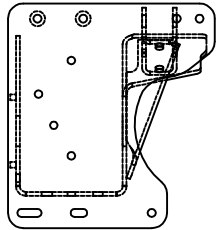
FRAME BRACKET BRACING							
FRAME ATTACHMENT--	WELD-ON				BOLT-ON		
SUSPENSION CAPACITY--	AAL 23K, 25K, AND 30K		AAEDL 30K		AAL 23K, 25K, AND 30K		AAEDL 30K
HIGH CONTROL--	YES -OR- NO		YES -OR- NO		NO	YES	YES -OR- NO
FRAME BRACKET STYLE--	WINGED	WINGLESS	WINGED	WINGLESS	WINGED		
RIDE HEIGHT							
6.5	FRAME BRACKET GUSSET REQUIRED	C-CHANNEL REQUIRED			NONE	NONE	
7.5							
8.0							
9.0					C-CHANNEL REQUIRED	C-CHANNEL REQUIRED	NONE
12.0							
14.0							
15.0							
16.0							C-CHANNEL REQUIRED
17.0					C-CHANNEL REQUIRED		
19.0			C-CHANNEL & FRAME BRACKET BRACE REQUIRED		C-CHANNEL & FRAME BRACKET BRACE REQUIRED	C-CHANNEL & FRAME BRACKET BRACE REQUIRED	C-CHANNEL & FRAME BRACKET BRACE REQUIRED



IT IS THE RESPONSIBILITY OF THE SUSPENSION INSTALLER TO PROVIDE AN EQUIVALENT FRAME BRACKET SUPPORT IF THE FRAME BRACKET BRACING IS NOT PURCHASED FROM HENDRICKSON.

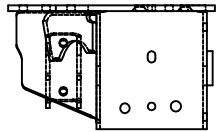
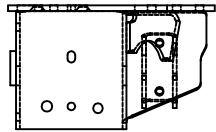
HD BOLT-ON C-CHANNEL WITH STRUTS OPTION				BOLT-ON C-CHANNEL WITH STRUTS OPTION			
FRAME ATTACHMENT--	BOLT-ON			FRAME ATTACHMENT--	BOLT-ON		
SUSPENSION CAPACITY--	AAL 23K, 25K, AND 30K		AAEDL 30K	SUSPENSION CAPACITY--	AAL 23K, 25K, AND 30K		AAEDL 30K
HIGH CONTROL--	YES -OR- NO			HIGH CONTROL--	YES -OR- NO		
FRAME BRACKET STYLE--	WINGED			FRAME BRACKET STYLE--	WINGED		
RIDE HEIGHT				RIDE HEIGHT			
6.5				6.5			
7.5				7.5	WITHOUT STRUTS		
8.0				8.0			
9.0				9.0			WITHOUT STRUTS
12.0				12.0	WITH STRUTS		WITH STRUTS
14.0				14.0			
15.0				15.0			
16.0				16.0			
17.0	WITH STRUTS		WITH STRUTS	17.0			
19.0				19.0			

VIEW A
SCALE: .25=1.00

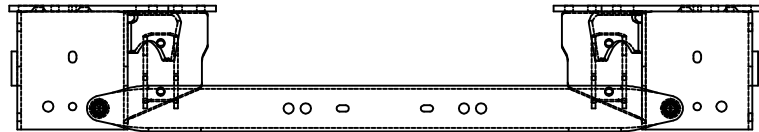


USE 82° FLAT HEAD SOCKET CAP SCREW WITH FLANGED PREVAILING TORQUE NUT IN THESE TWO HOLES ON EACH SIDE OF SUSPENSION. SEE KIT A-30476-1 (5/8") OR A-30476-2 (1/2"). TORQUE 1/2" FASTENERS TO 100±20 FT-LB. TORQUE 5/8" FASTENERS TO 190±20 FT-LB. THIS APPLIES TO 6.5 THROUGH 9.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY.

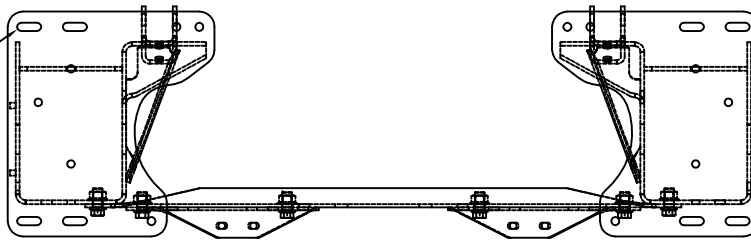
HARDENED WASHERS (PER ASTM F436) ARE RECOMMENDED FOR ALL SLOTTED HOLE LOCATIONS.



6.5 THROUGH 9.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY.
STANDARD C-CHANNEL

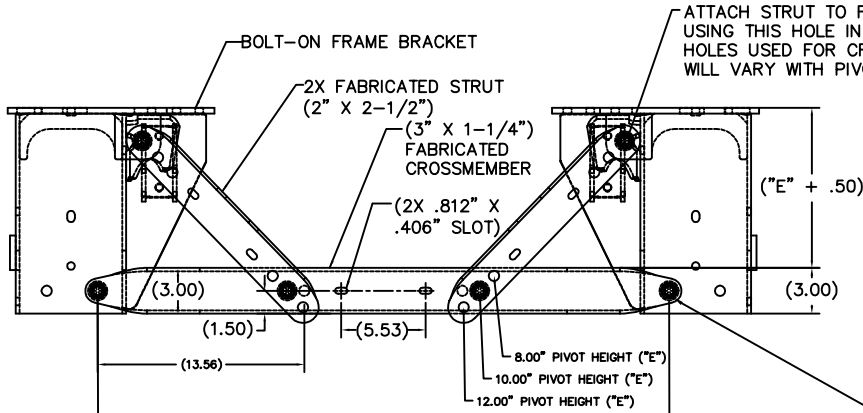


6.5 THROUGH 9.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY.
BOLT-ON C-CHANNEL
(SEE 12.0 THROUGH 19.0 RIDE HEIGHT VIEW FOR DIMENSIONS AND NOTES)



INSTALLATION SEQUENCE:

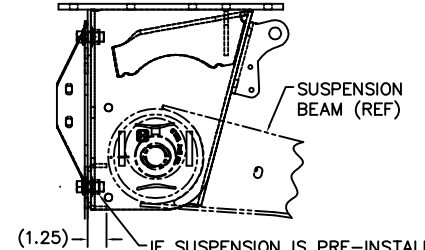
1. LOCATE FRAME BRACKETS ONTO TRAILER FRAME AND LOOSELY INSTALL MOUNTING BOLTS USING HARDENED WASHERS AT ALL SLOTTED HOLE LOCATIONS.
2. INSTALL CROSSMEMBER, USING 5/8" MOUNTING HOLES ON FRONT OF FRAME BRACKETS.
3. INSTALL STRUTS, USING 5/8" MOUNTING HOLES IN FRAME BRACKET GUSSET AND CROSSMEMBER.
4. TIGHTEN CROSSMEMBER MOUNTING BOLTS AND STRUT MOUNTING BOLTS IF PRESENT.
5. TIGHTEN FRAME BRACKET MOUNTING BOLTS.



*31.50 (71.5" TRACK WIDTH)
*33.00 (73.0" TRACK WIDTH)
*37.50 (77.5" TRACK WIDTH)
*43.50 (83.5" TRACK WIDTH)
OTHER TRACK WIDTHS NOT AVAILABLE
*THIS DIMENSION MUST BE MAINTAINED WITHIN ±.06"
12.0 THROUGH 19.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY.
BOLT-ON C-CHANNEL WITH STRUTS

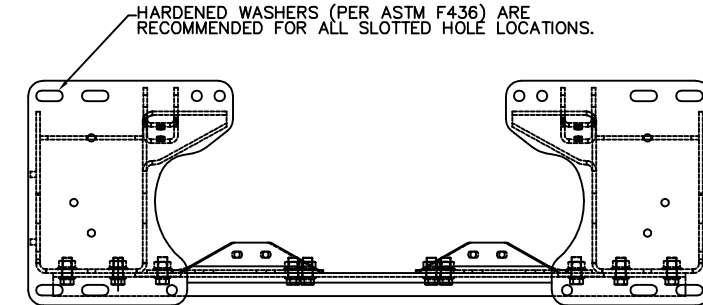
BOLT-ON C-CHANNEL WITH STRUTS

ATTACH STRUT TO FRAME BRACKET GUSSET USING THIS HOLE IN STRUT ONLY. HOLES USED FOR CROSSMEMBER WILL VARY BY PIVOT HEIGHT.



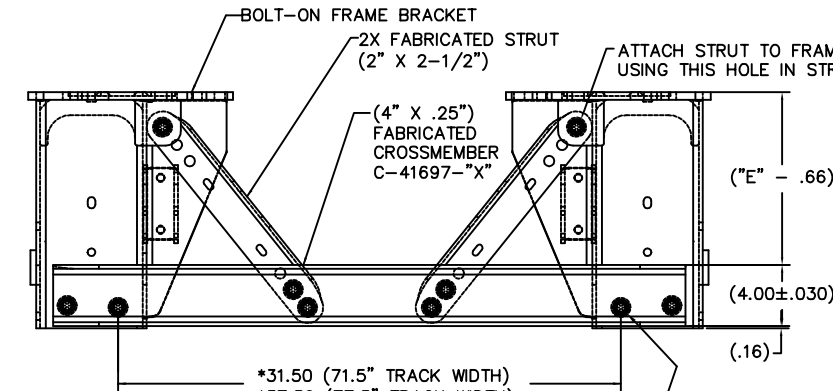
IF SUSPENSION IS PRE-INSTALLED IN FRAME BRACKETS, INSTALLATION OF CROSSMEMBER WILL REQUIRE HOLDING THIS NUT WITH AN OPEN-END WRENCH, WHILE TURNING THE BOLT HEAD TO TIGHTEN. (THERE IS NOT ENOUGH ROOM AHEAD OF THE BUSHING TUBE TO USE A BOX-END OR SOCKET WRENCH, NOR TO INSERT THE BOLT FROM INSIDE THE FRAME BRACKET).

USE 5/8" HEX HEAD FLANGE SCREW WITH SPIRALOCK® FLANGE NUT. (SEE KIT A-29822 FOR CROSSMEMBER ONLY, KIT INCLUDES 2 SCREWS & NUTS) (SEE KIT A-30720 FOR CROSSMEMBER & STRUTS, KIT INCLUDES 6 SCREWS & NUTS TORQUE TO 190±20 FT-LB. *((TORQUE BY NUT WHERE POSSIBLE))*)



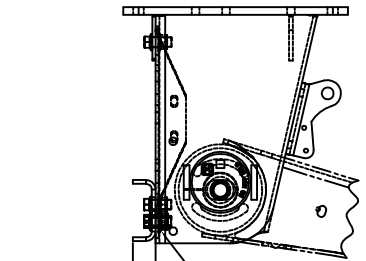
INSTALLATION SEQUENCE:

1. LOCATE FRAME BRACKETS ONTO TRAILER FRAME AND LOOSELY INSTALL MOUNTING BOLTS USING HARDENED WASHERS AT ALL SLOTTED HOLE LOCATIONS.
2. INSTALL CROSSMEMBER, USING 5/8" MOUNTING HOLES ON FRONT OF FRAME BRACKETS.
3. INSTALL STRUTS, USING 5/8" MOUNTING HOLES IN FRAME BRACKET GUSSET AND CROSSMEMBER.
4. TIGHTEN CROSSMEMBER MOUNTING BOLTS AND STRUT MOUNTING BOLTS.
5. TIGHTEN FRAME BRACKET MOUNTING BOLTS.



*31.50 (71.5" TRACK WIDTH)
*37.50 (77.5" TRACK WIDTH)
OTHER TRACK WIDTHS NOT AVAILABLE
*THIS DIMENSION MUST BE MAINTAINED WITHIN ±.06"
16.0 THROUGH 19.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY.
HD BOLT-ON C-CHANNEL WITH STRUTS

4-INCH HEAVY DUTY BOLT ON C-CHANNEL WITH STRUTS



IF SUSPENSION IS PRE-INSTALLED IN FRAME BRACKETS, INSTALLATION OF CROSSMEMBER WILL REQUIRE HOLDING THIS NUT WITH AN OPEN-END WRENCH, WHILE TURNING THE BOLT HEAD TO TIGHTEN. (THERE IS NOT ENOUGH ROOM AHEAD OF THE BUSHING TUBE TO USE A BOX-END OR SOCKET WRENCH, NOR TO INSERT THE BOLT FROM INSIDE THE FRAME BRACKET).

USE 5/8" HEX HEAD FLANGE SCREW WITH SPIRALOCK® FLANGE NUT (SEE KIT A-41823-1 FOR CROSSMEMBER & STRUTS, KIT INCLUDES 10 SCREWS & NUTS) TORQUE 190±20 FT-LB. *((TORQUE BY NUT WHERE POSSIBLE))*)

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H. HENDRICKSON

TRAILER COMMERCIAL VEHICLE SYSTEMS
2070 INDUSTRIAL PLACE SE, CHANTON, OH 44017-2000 U.S.A.

UNLESS OTHERWISE NOTED:		36	045136	D/D	10/18/24	DRWN BY	S. GIBB	11-14-08
TOLERANCES ARE:		35	024444	D/D	8/31/23	CHG BY	C. RADCLIFF	
X: ±		34	26252	ZAG	1/27/17	APPR BY	B. MUCKELRATH	
XOC: ±		33	24594	D/D	09/03/15	REV.	ECN NO.	BY DATE
ANGULAR: ±								
DIMENSIONS ADHERE TO ANSI Y14.5M-1982								

INTRAAX® AAL, AAEDL
INSTALLATION DRAWING

SCALE	SIZE	PAGE
.166=1,000	D	9 OF 9
D-25153		