

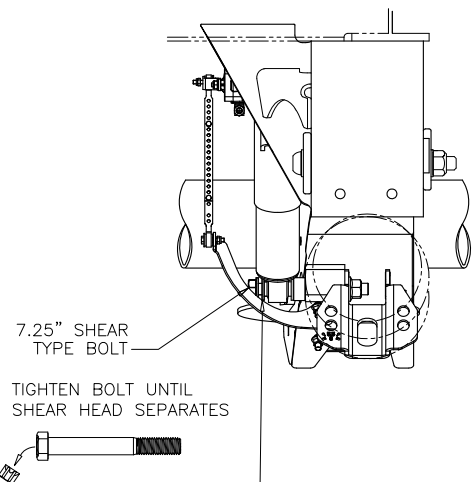
NOTES:

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 L-1182 FOR HEIGHT CONTROL KIT OPTIONS.

- 6 SEE PAGE 6 AND 8 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 SEE D-29431 FOR DIMENSIONS AND CROSSMEMBER LOCATIONS.
- 9 FOR BOLT-ON MOUNTING PATTERNS, SEE DRAWING D-26651.

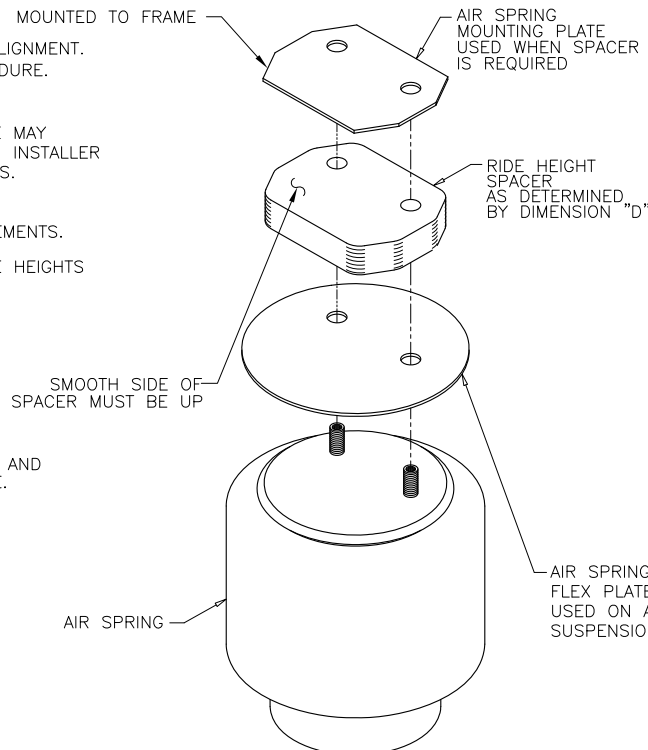
CLEARANCE SPECIFICATIONS:

- a) 1.0 INCH MINIMUM CLEARANCE REQUIRED BETWEEN TOP OF TIRE AND BOTTOM OF TRAILER STRUCTURE WHEN AXLE IS AT FULL JOUNCE.
- b) 2.0 INCHES MINIMUM CLEARANCE REQUIRED BETWEEN INSIDE OF TIRE AND TRAILER STRUCTURE FOR LATERAL MOVEMENT.
- c) .75 INCH MINIMUM CLEARANCE MUST BE MAINTAINED AROUND AIR SPRING WHEN IT IS AT MAXIMUM DIAMETER.

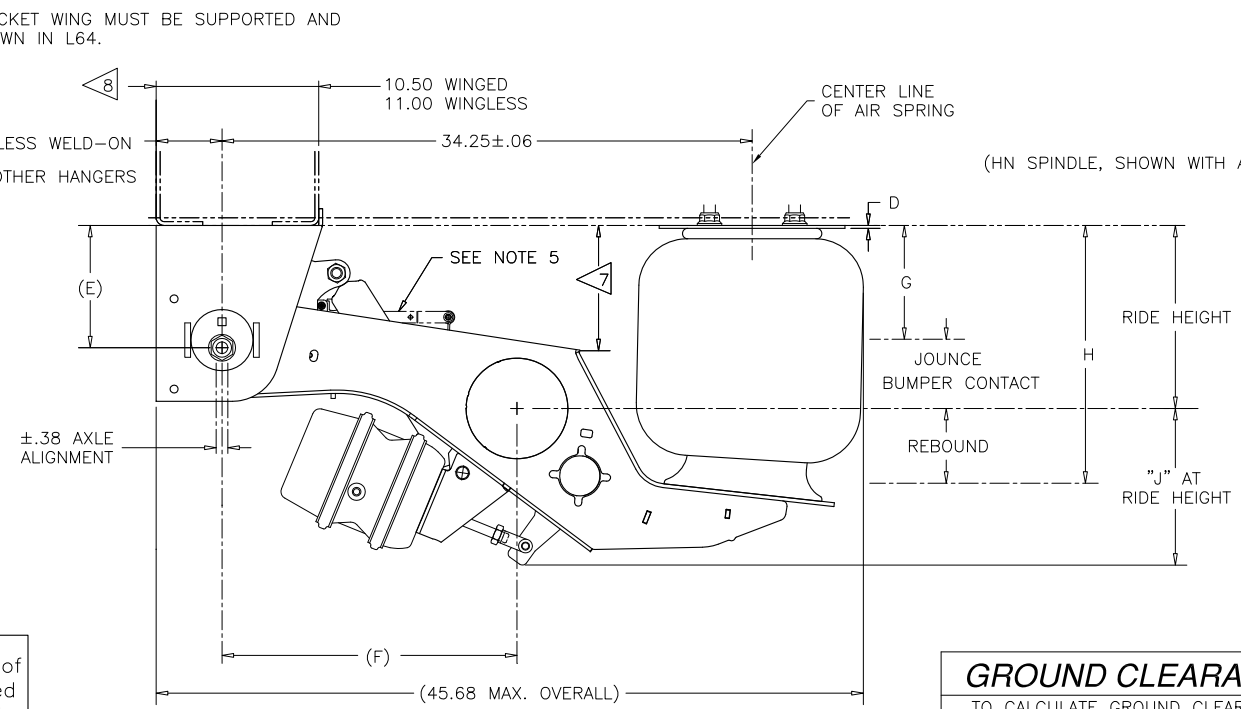
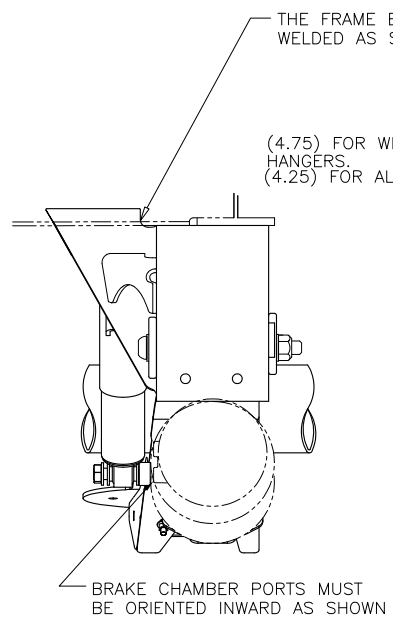
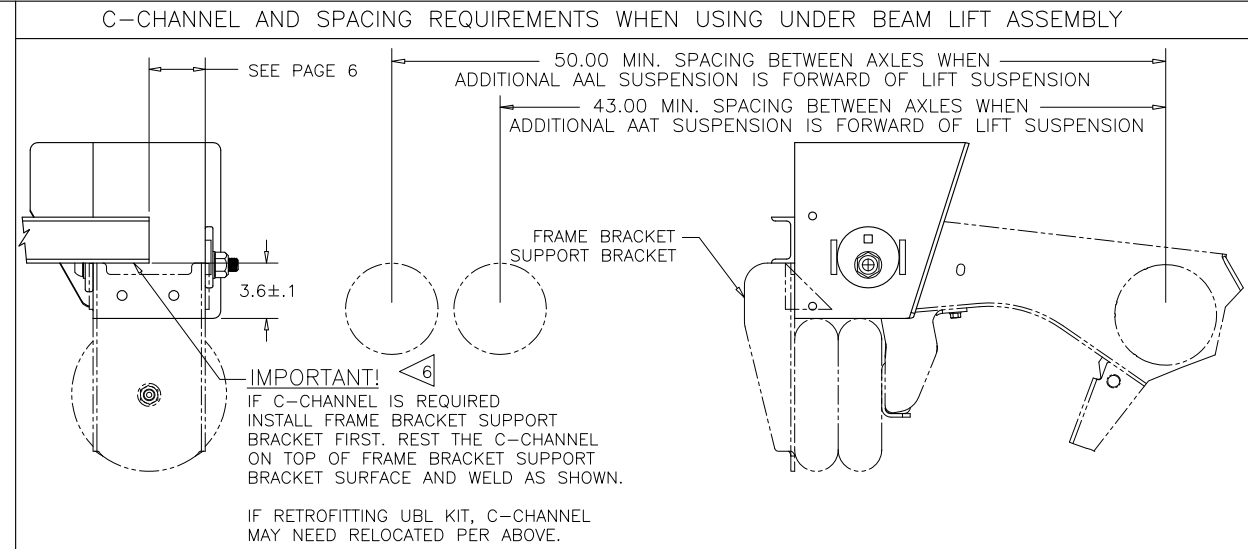


IMPORTANT !
BOLT KIT INCLUDES TWO HARDENED WASHERS PER SHOCK WHICH MUST BE POSITIONED AS SHOWN. THESE WASHERS ARE NON-STANDARD WASHERS WITH TIGHTER TOLERANCED HOLES, DO NOT SUBSTITUTE STANDARD WASHERS FOR THESE PARTS.

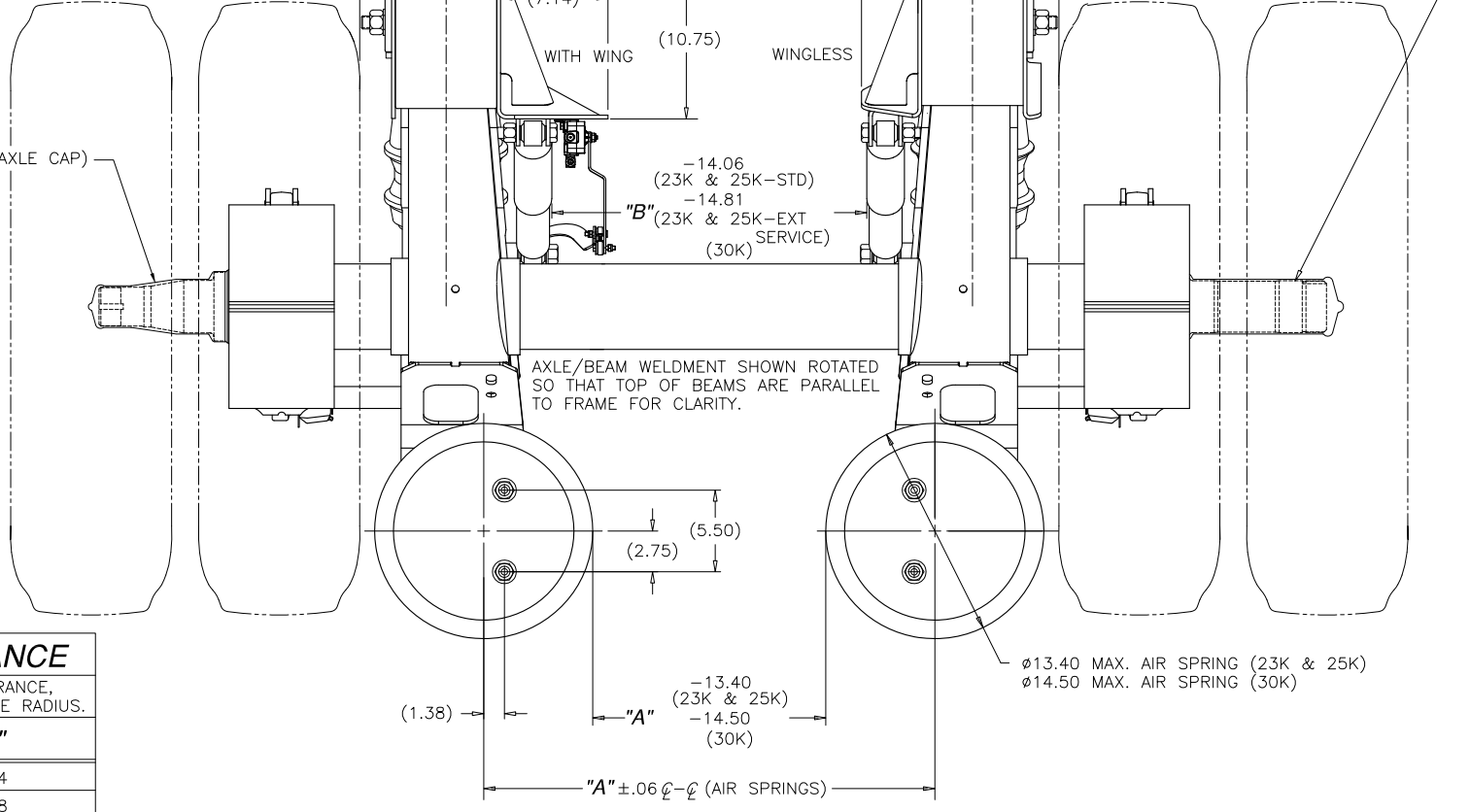
O.E.M. INSTALLED SHOCK BOLT KIT



VIEW XX
INSTALLATION OF AIR SPRING PLATES



SEE PAGES 2, 4, 5 AND 7 FOR THE TABULATED DIMENSIONS SHOWN ABOVE



GROUND CLEARANCE

TO CALCULATE GROUND CLEARANCE, SUBTRACT "J" FROM LOADED TIRE RADIUS.

RIDE HEIGHT	"J"
6.5	9.94
7.5	9.98
8.0	10.01
9.0	10.04
12.0	10.03
14.0	10.03
15.0	10.04
16.0	10.03
17.0	10.04
19.0	10.04

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

MODEL	23K & 25K								30K							
	71.5	73.0	75.5	76.5	77.5	83.5	85.0	71.5	73.0	75.5	76.5	77.5	83.5	85.0		
TRACK WIDTH (IN)	71.5	73.0	75.5	76.5	77.5	83.5	85.0	71.5	73.0	75.5	76.5	77.5	83.5	85.0		
DIMENSION "A" (IN)	31.00	32.50	35.00	36.00	37.00	43.00	44.50	30.00	31.50	34.00	35.00	36.00	42.00	43.50		
DIMENSION "B" (IN)	35.00	36.50	39.00	40.00	41.00	47.00	48.50	35.00	36.50	39.00	40.00	41.00	47.00	48.50		
DIMENSION "C" (IN)	46.50	48.00	50.50	51.50	52.50	58.50	60.00	46.50	48.00	50.50	51.50	52.50	58.50	60.00		

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STANDARD & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL LDA 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	2.0	4.6	4.0	1.6	.19	4.5	19.4	4.5	11.1	10.5
7.5	3.0	3.6	3.0	2.6			19.2			
8.0	3.5	5.3	4.7	3.1	.19	4.5	19.2	4.5	13.3	12.7
9.0	4.5	4.3	3.7	4.1	.19	4.5	18.9	4.5	13.3	12.7
12.0	4.9	4.9	3.5	4.5	.19	8.0	19.1	7.1	16.9	15.5
14.0	5.5	4.5	4.2	5.1	1.13	10.0	19.1	8.5	18.5	18.2
15.0	5.8	3.5	3.2	5.4	2.25	10.0	18.8	9.2	18.5	18.2
16.0	5.3	4.4	4.3	4.9	3.50	12.0	19.1	10.7	20.4	20.3
17.0	5.5	3.4	3.3	5.1	4.81	12.0	18.8	11.5	20.4	20.3
19.0	5.3	3.6	3.4	4.9	7.31	14.0	18.8	13.7	22.6	22.4

NOTES:

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

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

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

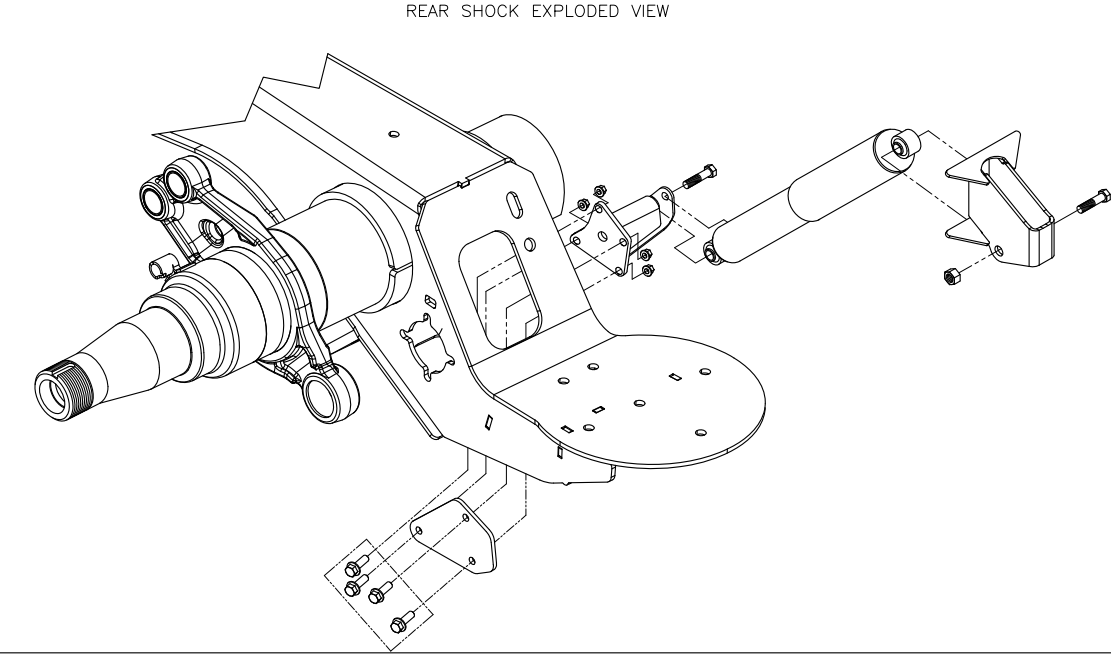
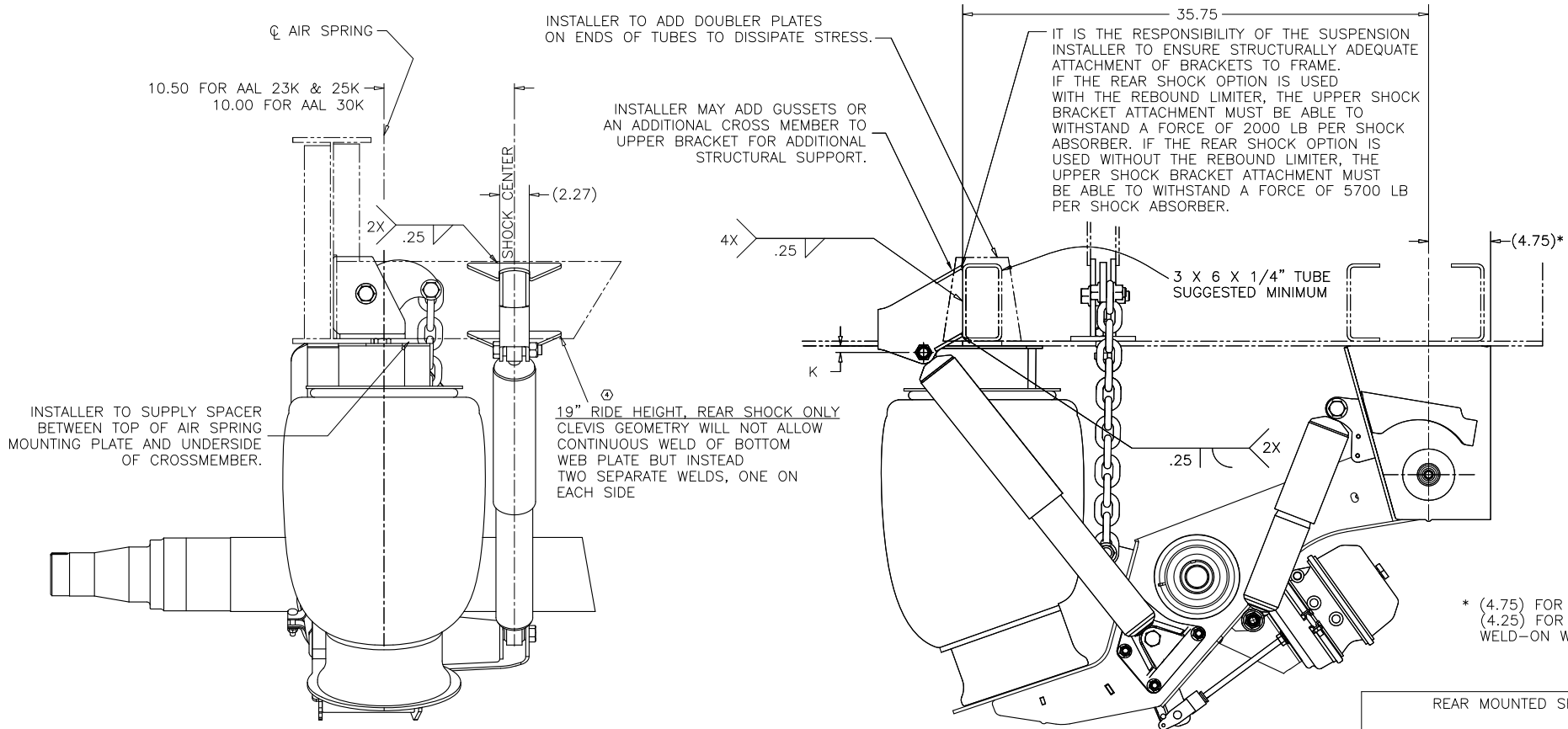
- RIDE HEIGHT - JOUNCE = "G"
- RIDE HEIGHT + REBOUND = "H"

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

7 AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

8 BOLT-ON PIVOT HEIGHT CHANGES TO 4.6 FOR 6.5 TO 9.0 RIDE HEIGHTS

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INSTALLER TO SUPPLY SPACER BETWEEN TOP OF AIR SPRING MOUNTING PLATE AND UNDERSIDE OF CROSSMEMBER.

INSTALLER TO ADD DOUBLER PLATES ON ENDS OF TUBES TO DISSIPATE STRESS.

INSTALLER MAY ADD GUSSETS OR AN ADDITIONAL CROSS MEMBER TO UPPER BRACKET FOR ADDITIONAL STRUCTURAL SUPPORT.

IT IS THE RESPONSIBILITY OF THE SUSPENSION INSTALLER TO ENSURE STRUCTURALLY ADEQUATE ATTACHMENT OF BRACKETS TO FRAME. IF THE REAR SHOCK OPTION IS USED WITH THE REBOUND LIMITER, THE UPPER SHOCK BRACKET ATTACHMENT MUST BE ABLE TO WITHSTAND A FORCE OF 2000 LB PER SHOCK ABSORBER. IF THE REAR SHOCK OPTION IS USED WITHOUT THE REBOUND LIMITER, THE UPPER SHOCK BRACKET ATTACHMENT MUST BE ABLE TO WITHSTAND A FORCE OF 5700 LB PER SHOCK ABSORBER.

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

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 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.

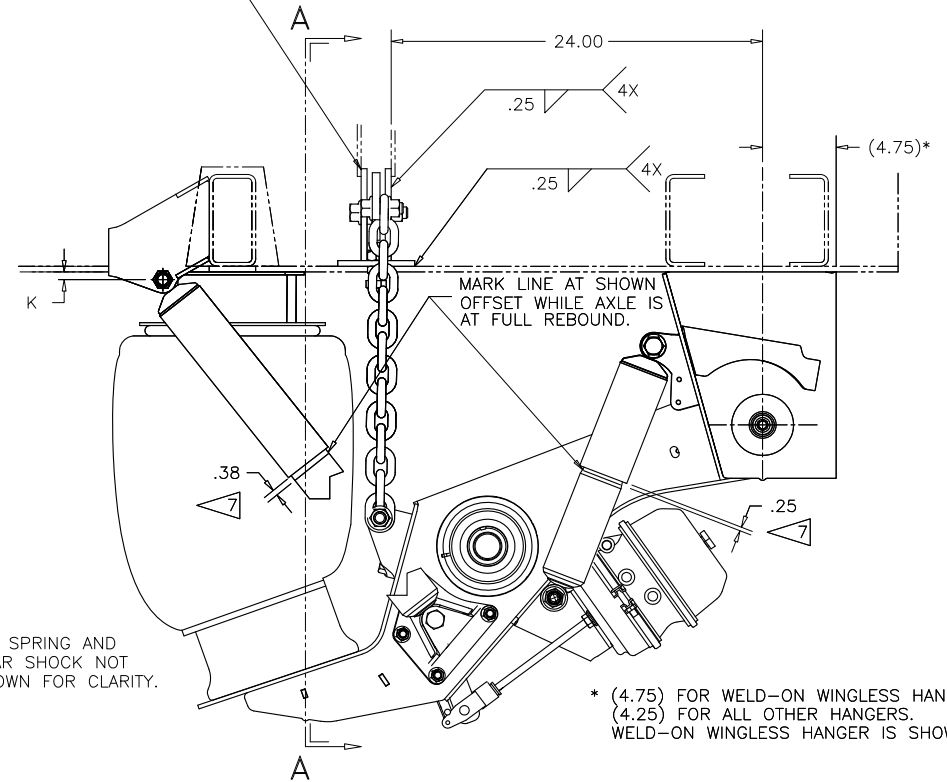
REAR MOUNTED SHOCK		
RIDE HEIGHT	CLEVIS P/N	DIM "K"
6.5	C-29967	.50
7.5		
8		
9	C-25420	3.59
12		
14		
15	C-29967	.50
16		
17		
19	C-37191	3.01

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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

IT IS THE RESPONSIBILITY OF THE SUSPENSION INSTALLER TO ENSURE STRUCTURALLY ADEQUATE ATTACHMENT OF BRACKETS TO FRAME. REBOUND LIMITER UPPER BRACKET ATTACHMENT MUST WITHSTAND 7600 LB FORCE EXERTED BY EACH CHAIN.



VIEW B
SCALE: 1.00=8.00
OPTION 1
REINFORCEMENT GUSSETS

VIEW C
SCALE: 1.00=8.00
OPTION 2
WEB STIFFENERS

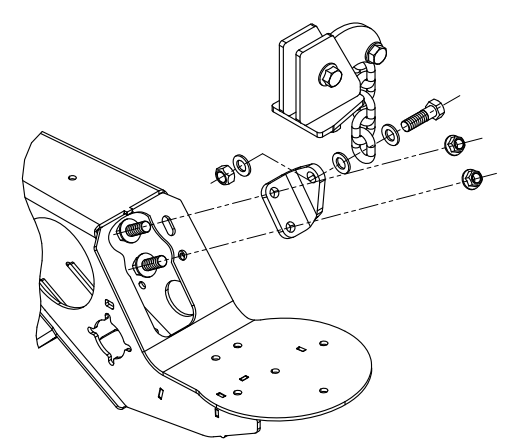
CHAIN LENGTH	
RIDE HEIGHT	# OF LINKS
8	10
9	10
12	12
14	14
15	14
16	14
17	14
19	16

* (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"). 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 SIDE 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).

REBOUND LIMITER EXPLODED VIEW



VIEW A-A

LIMITED JOUNCE & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL LDA 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	2.8	5.3	4.7	2.4	1.50	4.5	19.2	5.2	13.3	12.7
9.0	3.4	4.3	3.7	3.0	2.25	4.5	18.9	5.6	13.3	12.7
12.0	3.7	4.9	3.5	3.3	2.25	8.0	19.1	8.3	16.9	15.5
14.0	4.2	4.5	4.2	3.8	3.50	10.0	19.1	9.8	18.5	18.2
15.0	4.2	3.5	3.2	3.8	5.31	10.0	18.8	10.8	18.5	18.2
16.0	4.3	4.4	4.3	3.9	5.31	12.0	19.1	11.7	20.4	20.3
17.0	4.2	3.4	3.3	3.8	7.31	12.0	18.8	12.8	20.4	20.3
19.0	4.2	3.6	3.4	3.8	9.25	14.0	18.8	14.8	22.6	22.4

NOTES:

- SEE L729 FOR SUSPENSION WEIGHT.
- SEE 1073 FOR ALLOWABLE RIDE HEIGHT RANGES.

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

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

- RIDE HEIGHT - JOUNCE = "G"
- RIDE HEIGHT + REBOUND = "H"

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

7 AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

8 BOLT-ON PIVOT HEIGHT CHANGES TO 4.6 FOR 8.0 AND 9.0 RIDE HEIGHTS.

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STANDARD & HIGH CONTROL TRAVEL DIMENSIONS FROM PAGE 1 FOR AAL LDA 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	4.0	4.2	3.7	3.6	.19	4.5	18.9	5.0	13.2	12.7
12.0	4.7	4.8	3.5	4.3	.19	8.0	19.1	7.3	16.8	15.5
14.0	5.3	4.4	4.2	4.9	1.13	10.0	19.1	8.7	18.4	18.2
15.0	5.7	3.4	3.2	5.3	2.25	10.0	18.8	9.3	18.4	18.2
16.0	5.1	4.3	4.3	4.7	3.50	12.0	19.1	10.9	20.3	20.3
17.0	5.4	3.3	3.3	5.0	4.81	12.0	18.8	11.6	20.3	20.3
19.0	5.1	3.5	3.4	4.7	7.31	14.0	18.8	13.9	22.5	22.4

NOTES:

1. SEE L729 FOR SUSPENSION WEIGHT.

2. SEE L1073 FOR ALLOWABLE RIDE HEIGHT RANGES.

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

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

5. RIDE HEIGHT - JOUNCE = "G"

RIDE HEIGHT + REBOUND = "H"

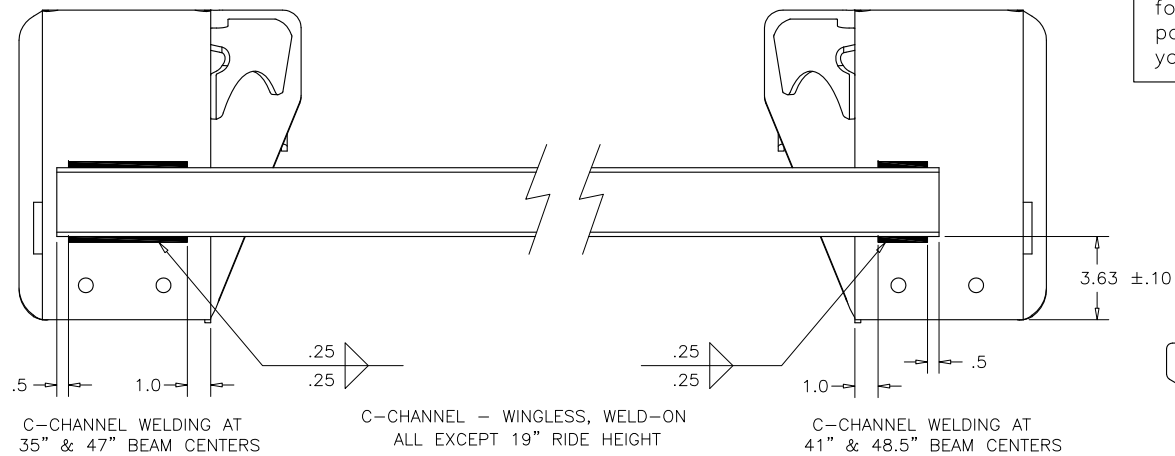
6 WHEN THE OPTION FOR FRONT AND REAR SHOCKS IS SELECTED, DIMENSIONS FROM "REBOUND WITH REAR SHOCKS" AND "H WITH REAR SHOCKS" SHOULD BE USED

7 AIR DISC ONLY AVAILABLE WITH REAR SHOCKS

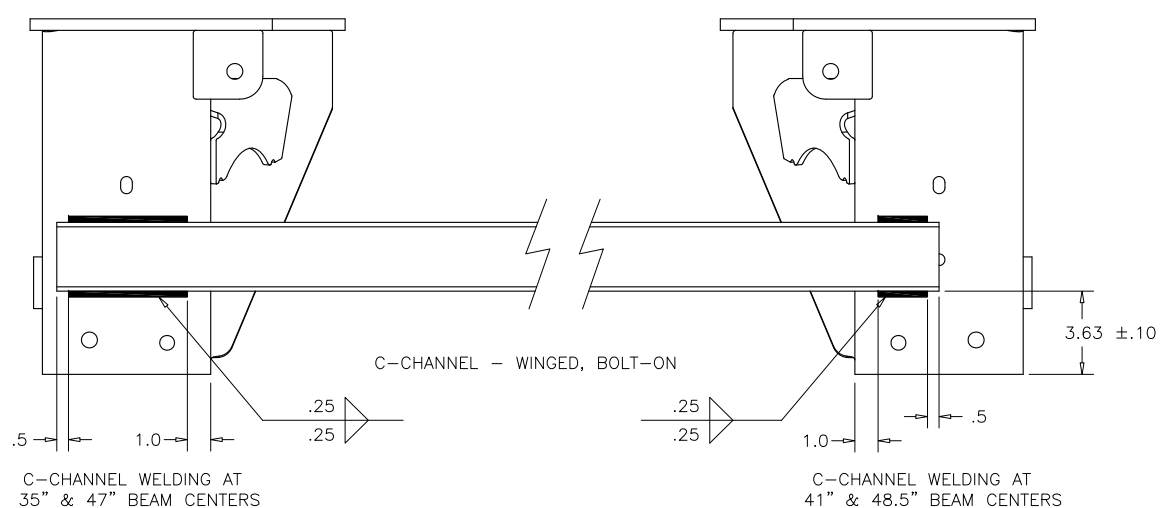
8 BOLT-ON PIVOT HEIGHT CHANGES TO 4.6 FOR 9.0 RIDE HEIGHT.

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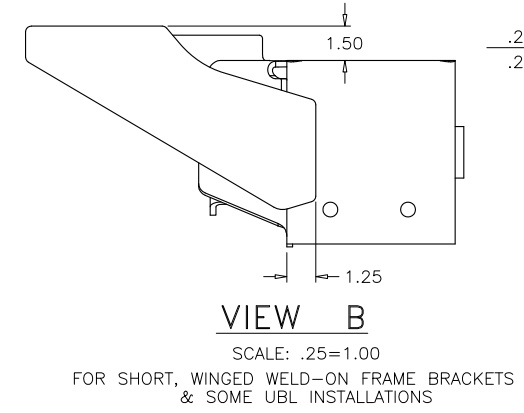
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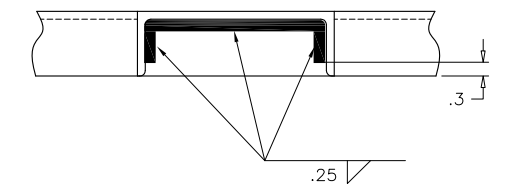
C-CHANNEL WELDING AT 35" & 47" BEAM CENTERS
 C-CHANNEL - WINGLESS, WELD-ON ALL EXCEPT 19" RIDE HEIGHT
 C-CHANNEL WELDING AT 41" & 48.5" BEAM CENTERS



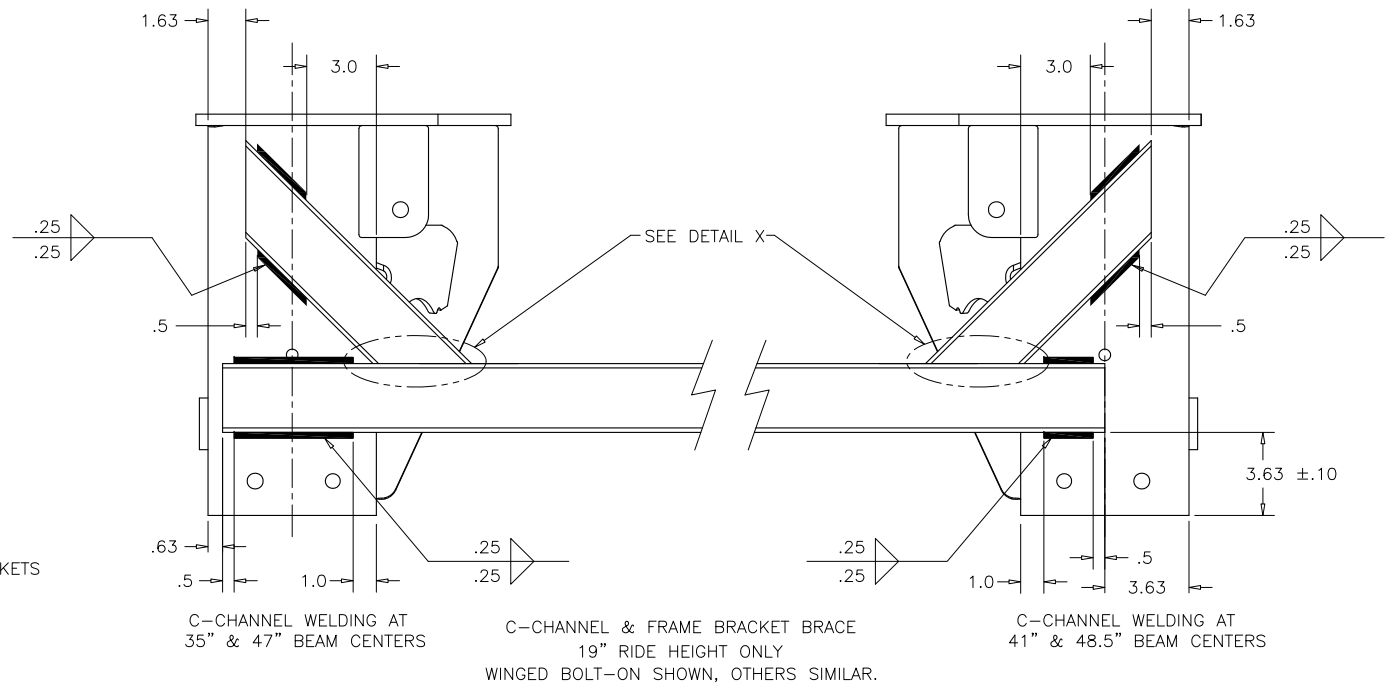
C-CHANNEL WELDING AT 35" & 47" BEAM CENTERS
 C-CHANNEL - WINGED, BOLT-ON
 C-CHANNEL WELDING AT 41" & 48.5" BEAM CENTERS



VIEW B
 SCALE: .25=1.00
 FOR SHORT, WINGED WELD-ON FRAME BRACKETS & SOME UBL INSTALLATIONS



DETAIL X
 SCALE: .50=1.00

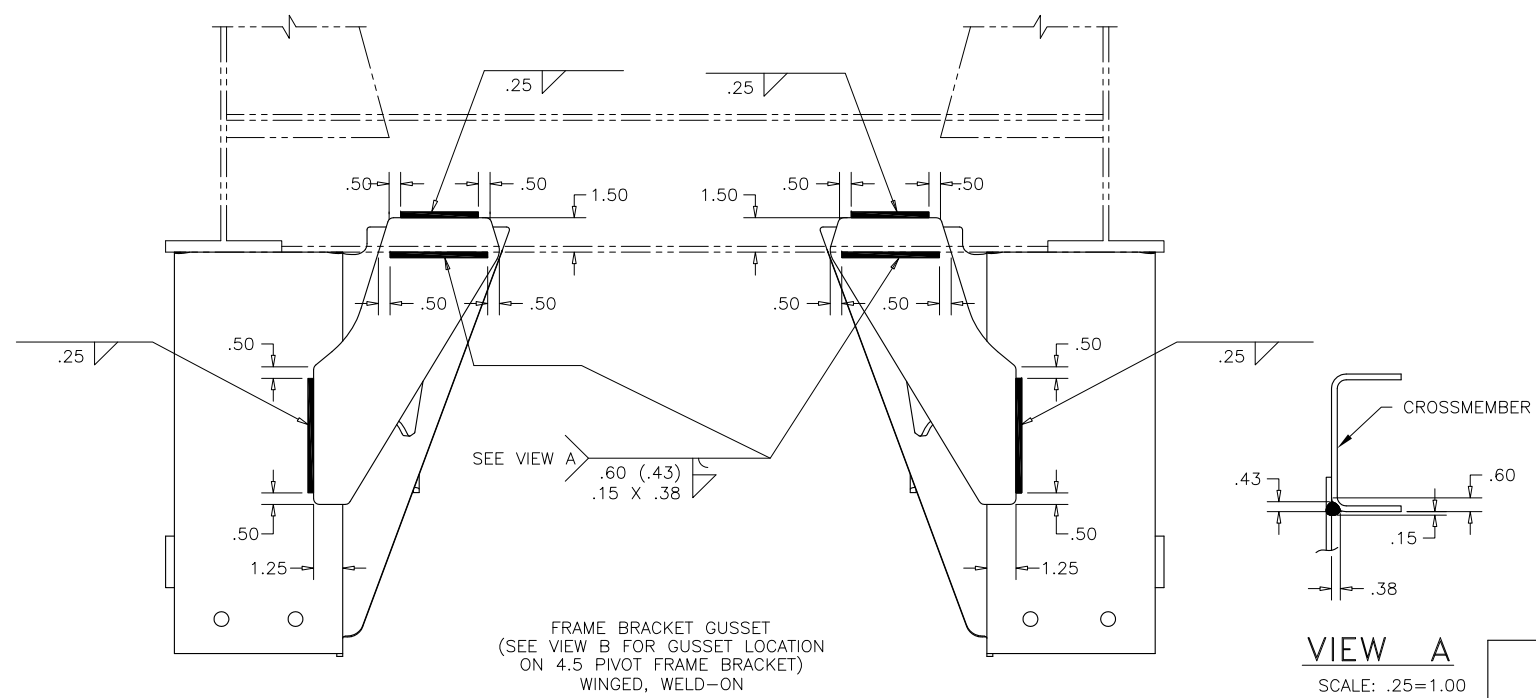


C-CHANNEL WELDING AT 35" & 47" BEAM CENTERS
 C-CHANNEL & FRAME BRACKET BRACE 19" RIDE HEIGHT ONLY WINGED BOLT-ON SHOWN, OTHERS SIMILAR.
 C-CHANNEL WELDING AT 41" & 48.5" BEAM CENTERS

FRAME ATTACHMENT-- HIGH CONTROL--	FRAME BRACKET BRACING			
	WELD-ON		BOLT-ON	
	YES	-OR- NO	NO	YES
FRAME BRACKET STYLE--	WINGED	WINGLESS	WINGED	
RIDE HEIGHT				
6.5	FRAME BRACKET GUSSET REQUIRED	C-CHANNEL REQUIRED	NONE	NONE
7.5				C-CHANNEL REQUIRED
8.0				
9.0			C-CHANNEL & FRAME BRACKET BRACE REQUIRED	
12.0				
14.0				
15.0	C-CHANNEL & FRAME BRACKET BRACE REQUIRED	C-CHANNEL & FRAME BRACKET BRACE REQUIRED		
16.0				
17.0				
19.0				

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.

BOLT-ON C-CHANNEL WITH STRUTS OPTION		
FRAME ATTACHMENT--	BOLT-ON	
HIGH CONTROL--	YES -OR- NO	
FRAME BRACKET STYLE--	WINGED	
RIDE HEIGHT		
6.5	WITHOUT STRUTS	
7.5		
8.0		
9.0		
12.0		
14.0	WITH STRUTS	
15.0		
16.0		
17.0		
19.0		

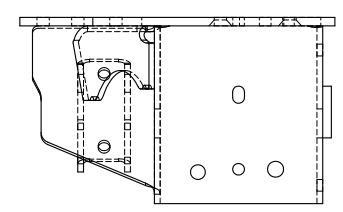
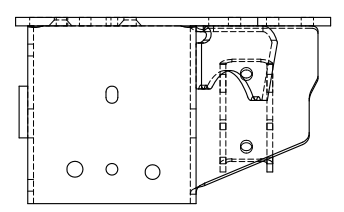
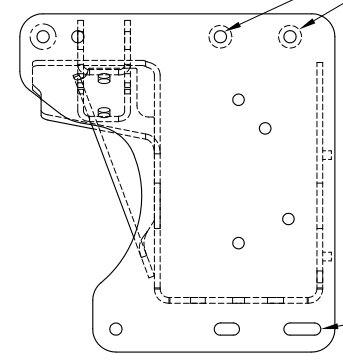
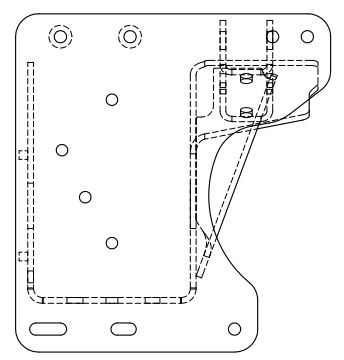


VIEW A
 SCALE: .25=1.00
 FRAME BRACKET GUSSET (SEE VIEW B FOR GUSSET LOCATION ON 4.5 PIVOT FRAME BRACKET) WINGED, WELD-ON

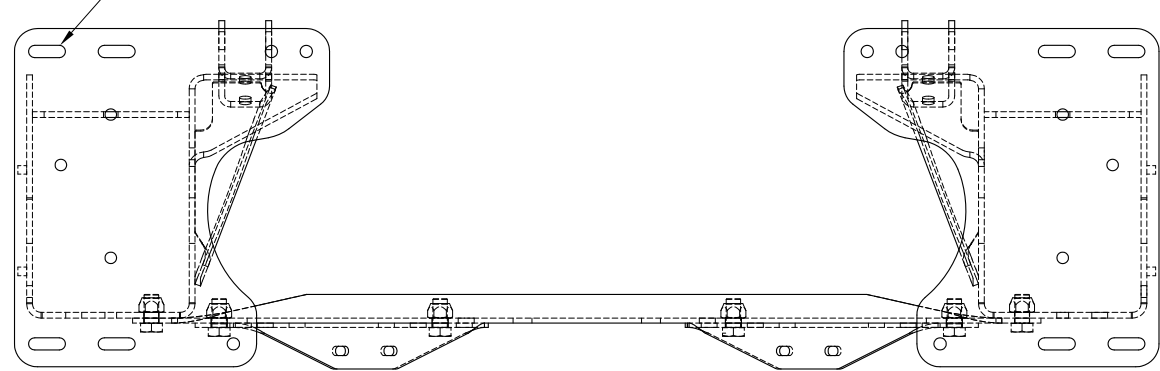
VIEW A
 SCALE: .25=1.00

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.

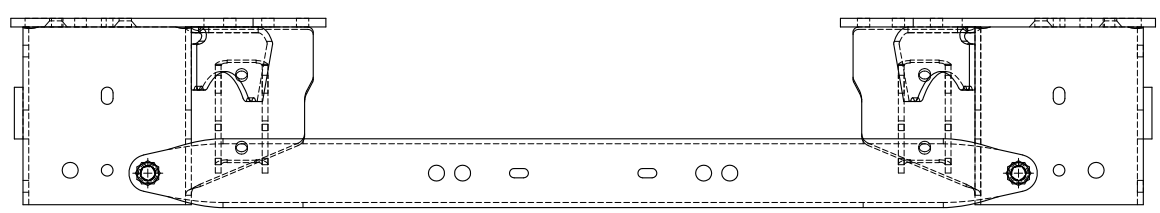
HARDENED WASHERS (PER ASTM F436) ARE RECOMMENDED FOR ALL SLOTTED HOLE LOCATIONS.



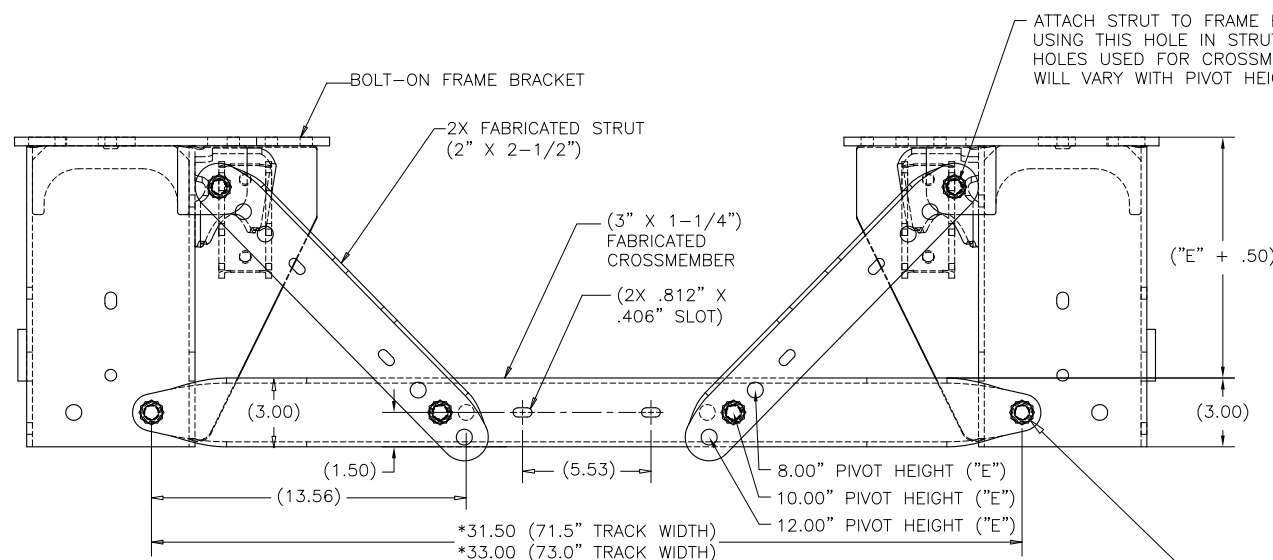
6.5 THROUGH 9.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY. STANDARD C-CHANNEL



- 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.

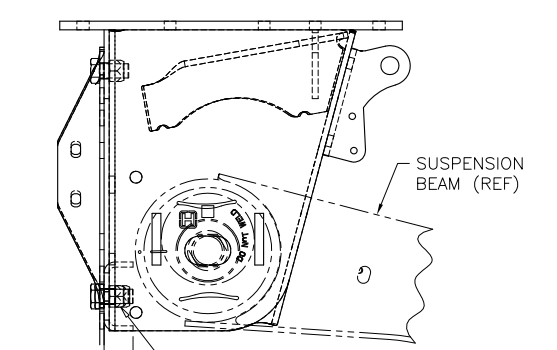


6.5 THROUGH 9.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY. BOLT-ON C-CHANNEL (SEE 12.0 THROUGH 17.0 RIDE HEIGHT VIEW FOR DIMENSIONS AND NOTES)



OTHER TRACK WIDTHS NOT AVAILABLE *THIS DIMENSION MUST BE MAINTAINED WITHIN ±.06"

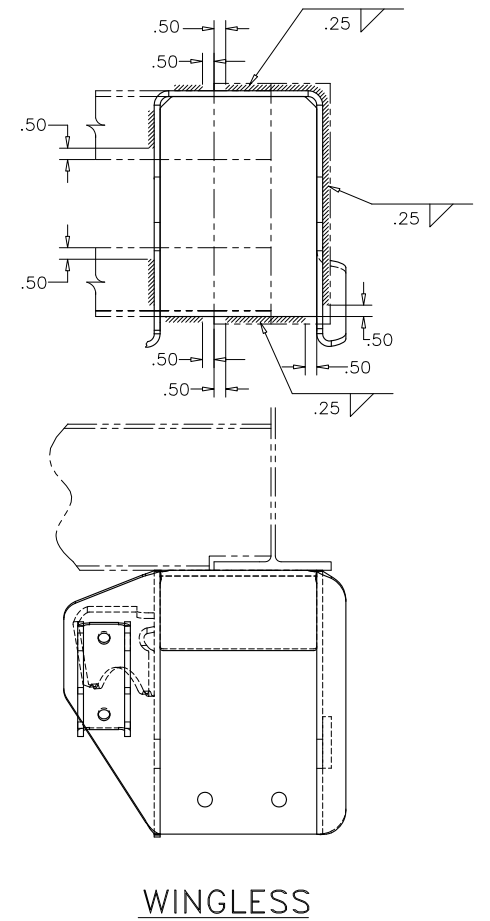
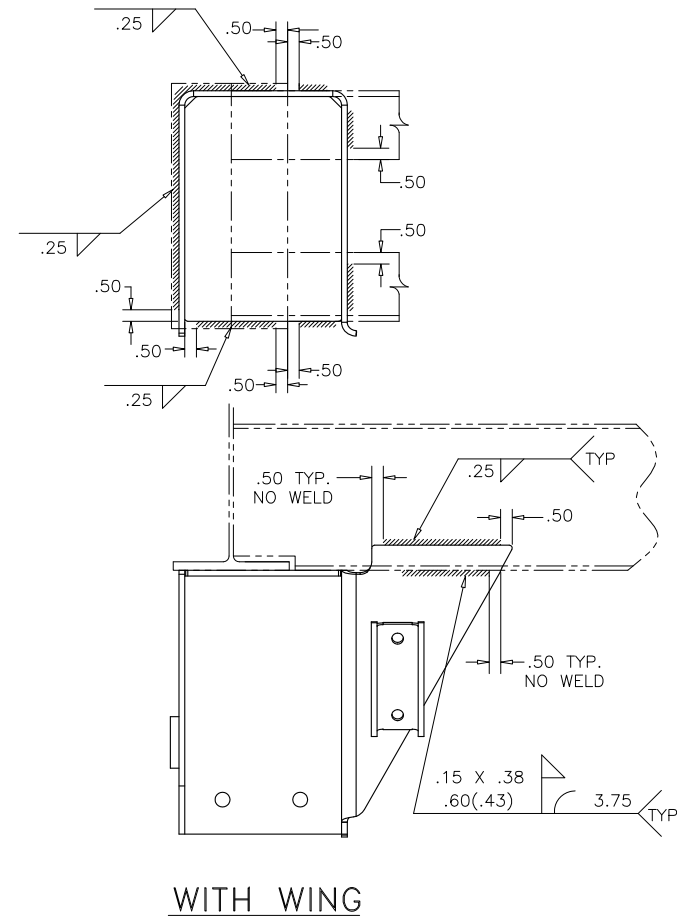
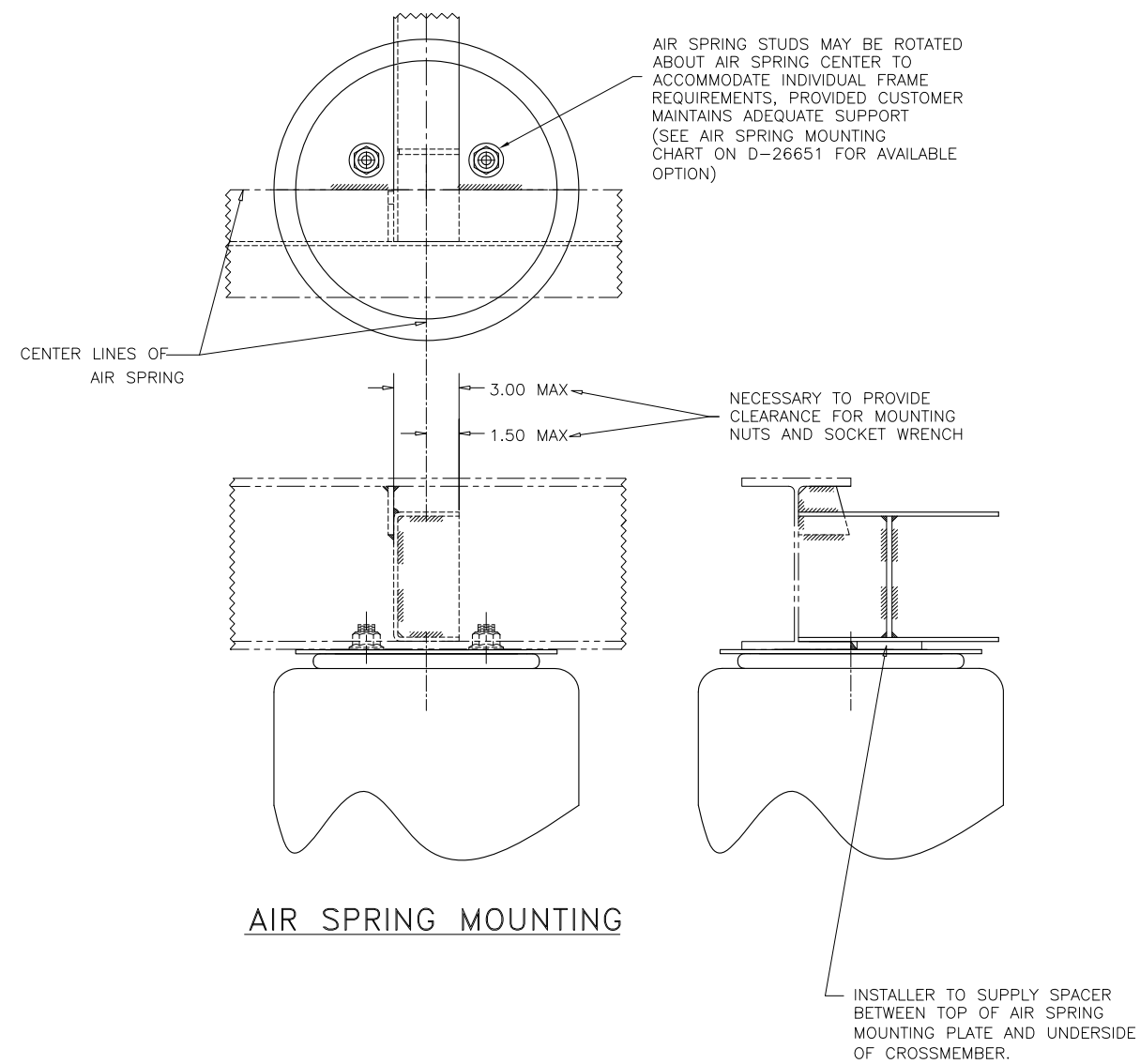
USE 5/8" HEX HEAD CAP SCREW WITH PREVAILING TORQUE NUT. (SEE KIT A-29822)[CROSSMEMBER ONLY] (SEE KIT A-30720)[CROSSMEMBER & STRUTS] TORQUE TO 190±20 FT-LB.



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).

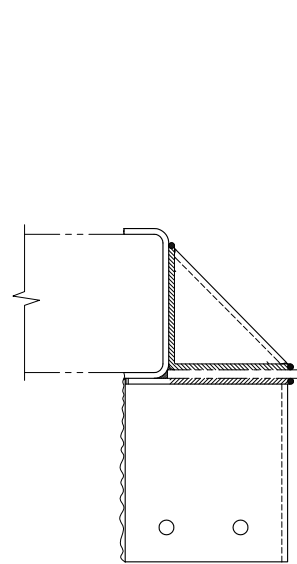
12.0 THROUGH 19.0 RIDE HEIGHTS FOR BOLT ON UNITS ONLY. BOLT-ON C-CHANNEL WITH STRUTS

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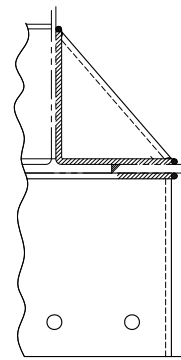
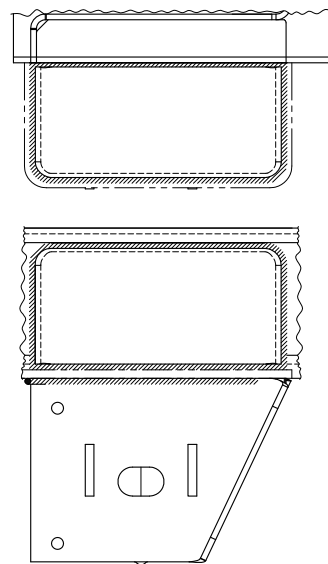


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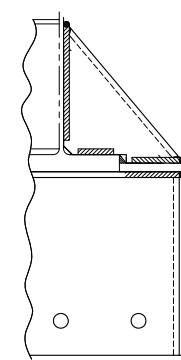
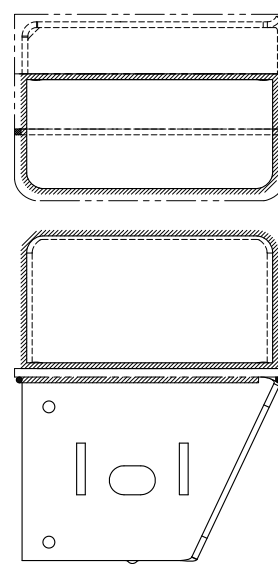
- NOTES:
1. PATTERN DENOTES WELD PLACEMENT.



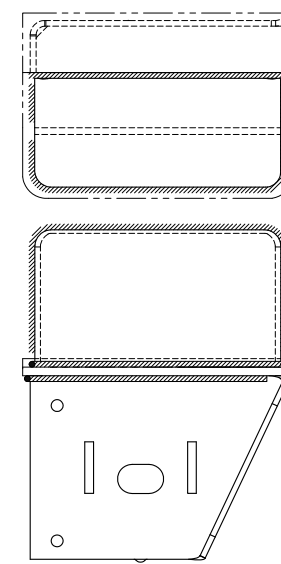
CHANNEL



THIN FLANGE I-BEAM



THICK FLANGE I-BEAM



SUGGESTED METHOD OF SUPPORTING
FRAME BRACKET OVERHANG

NOTES:

1.  PATTERN DENOTES WELD PLACEMENT.

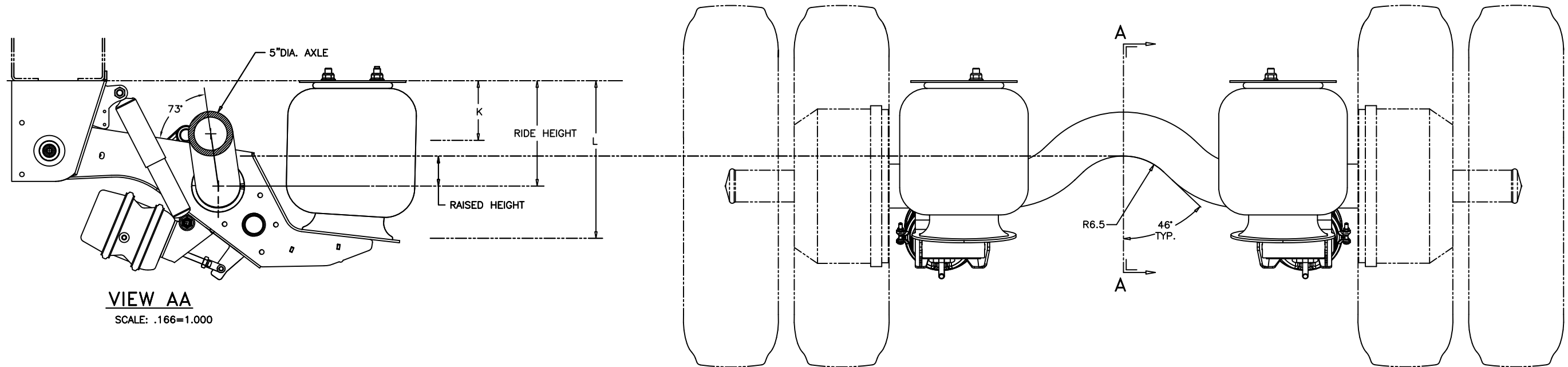
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NOTES:

1. THIS PAGE IS FOR AAL 23K AND 25K SUSPENSIONS WITH RAISED CENTER AXLE OPTION.
2. SUSPENSION DIMENSIONS AND TRAVEL: SEE PAGE 2.
3. SEE L1065 FOR SUSPENSION WEIGHT.

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RAISED HEIGHT			
RIDE HEIGHT	AT RIDE HEIGHT	AT FULL JOUNCE (K)	AT FULL REBOUND (L)
AAL 23K AND 25K RAISED CENTER AXLE DIMENSIONS			
STANDARD TRAVEL			
6.5	3.3	3.1	3.4
7.5	3.3	3.1	3.4
8.0	3.4	3.1	3.4
9.0	3.4	3.1	3.4
12.0	3.4	3.0	3.4
14.0	3.4	3.0	3.4
15.0	3.4	3.0	3.4
16.0	3.4	3.0	3.4
17.0	3.4	3.1	3.4
19.0	3.4	3.1	3.4
LIMITED JOUNCE TRAVEL			
8.0	3.4	3.2	3.4
9.0	3.4	3.2	3.4
12.0	3.4	3.2	3.4
14.0	3.4	3.1	3.4
15.0	3.4	3.2	3.4
16.0	3.4	3.1	3.4
17.0	3.4	3.2	3.4
19.0	3.4	3.2	3.4

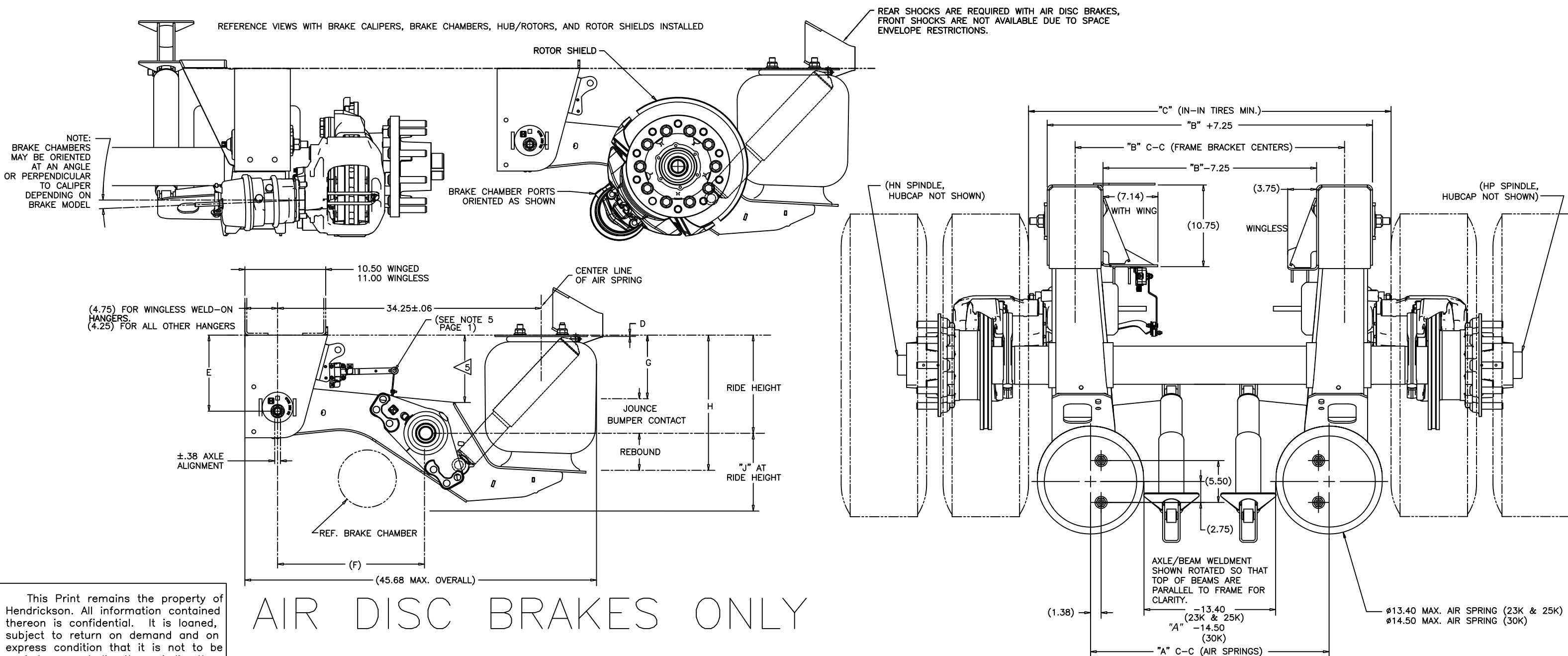


VIEW AA
SCALE: .166=1.000

NOTES:

1. THIS PAGE IS FOR AAL 23K, 25K, AND 30K SUSPENSIONS WITH AIR DISC BRAKES OPTION.
2. MERITOR WABCO PAN22 BRAKE CALIPERS AND GUNITE DUCTILE IRON HUBS WITH GUNITE ROTORS REPRESENTED IN GRAPHICS.
3. NOT ALL HUB/ROTOR OPTIONS ARE AVAILABLE WITH ALL BRAKE OPTIONS.
4. AIR DISC BRAKES COMPATIBLE WITH 22.5" OR 24.5" TIRES ONLY.

5 DO NOT ROUTE ITEMS THROUGH THIS AREA FOR 9.0 INCH AND LOWER RIDE HEIGHTS DUE TO MINIMAL BEAM TO FRAME CLEARANCE.



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AIR DISC BRAKES ONLY

SEE PAGE 1,2,4,5, AND 7 FOR TABULATED DIMENSIONS AND NOTES