TORQUE SPECIFICATIONS						
DESCRIPTION	SIZE	TORQUE (FT-LB)				
SHOCK BOLT, UPPER	3/4-10	210-235				
SHOCK BOLT, LOWER	3/4-10	210-235				
AIR SPRING NUTS, UPPER	3/4-16	80-100				
AIR SPRING NUT, LOWER	1/2-13	40-50				
U-BOLTS	7/8-14	475-525				
AIR ACTUATOR VALVE MTG. BOLTS	1/4-20	75-100 IN-LB				
SPRAY GUARD BRACKET BOLTS	3/8-16	35-45				
LOCK PIN BOX BOLTS	5/8-11	200-220				
AIR ASSIST CHAMBER MTG. BOLTS	7/16-14	32-38				
AIR ASSIST CHAMBER JAM NUT	1/2-13	20-30				
ACTUATOR AIR LINE FITTINGS		25 MAX.				
STINGER MTG. BOLTS	1/2-13	70-80				
STINGER AIR LINE BRACKET	3/8-16	35-45				
AIR TANK BRACKET BOLTS	3/8-16	35-45				

*USE SHEAR HEAD BOLT TO ESTABLISH TORQUE.

NOTE:
THE INSTALLATION OF THE SINGLE AXLE HTZUS SLIDER DOES
NOT CONTRIBUTE TO RESISTING LATERAL BENDING OR PARALLELOGRAMING
OF THE TRAILER FRAME. A WIDESPREAD SUSPENSION CAN INDUCE THESE
FORCES. THIS ACTION NEEDS TO BE CONSIDERED IN THE DESIGN OF THE TRAILER
AND/OR INSTALLATION OF THE ADJACENT SUSPENSION. HENDRICKSON ENGINEERING IS
AVAILABLE FOR ASSISTANCE UPON REQUEST.

NOTES:

- SEE L-577 INSTALLATION INSTRUCTIONS FOR INFORMATION ON ASSEMBLY, WELDING PROCEDURE AND ALIGNMENT.
- SEE L-575 FOR HEIGHT CONTROL KIT OPTIONS REFERENCING HT250US SUSPENSION TYPE.
- 3. MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS: OTHER PATENTS PENDING U.S. PATENT NOS. 5,366,237 4,166,640
- DO NOT ROUTE ITEMS THROUGH THIS AREA FOR 5.5 AND 6.5 RIDE HEIGHTS DUE TO MINIMAL BEAM TO FRAME CLEARANCE.
- 5 SEE AKSSOOO1 FOR HENDRICKSON RECOMMENDED PLUMBING PROCEDURE.
- 6. NOTICE: U-BOLT KIT VARIES DEPENDING ON RIDE HEIGHT AND/OR TIRE SIZE.

FLATTENED SIDE OF U-BOLT IN KIT (A-22237) MUST BE INSTALLED ON THE SAME SIDE OF THE AXLE AS THE S-CAM, ESPECIALLY ON 12.25" X 7.00" BRAKES.

- 7. SEE PAGE 2 FOR TORQUE SPECIFICATIONS OF FASTENERS.
- 8. RECOMMENDED BRAKE CAMSHAFT AND BRAKE CHAMBER LOCATIONS ARE FOR REFERENCE ONLY AND MAY VARY SLIGHTLY BASED ON AXLE MANUFACTURERS RECOMMENDATIONS.
- 9. AN S-CAM POSITION OF 1.00" IS SHOWN TO PROVIDE CLEARANCE AROUND THE BRAKE CHAMBER FOR ACCESS TO THE LOWER SHOCK BOLT WITH AN IMPACT WRENCH. THE S-CAM CANNOT BE POSITIONED FOR SHOCK BOLT CLEARANCE ON 5.5" AND 6.5" RIDE HEIGHTS DUE TO INTERFERENCE BETWEEN THE BRAKE CHAMBER AND THE TRAILER FRAME AT FULL JOUNCE.
- 10. LOAD CAPACITY: 25,000 LB @ GROUND.
- 11. SEE PAGE 2 FOR AIR SPRING INSTALLATION DETAIL

 (9) ON HT250US AND CONNEX CXU.

CLEARANCE SPECIFICATIONS:

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

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ITEMS ORDERED SEPARATELY, SHIPPED LOOSE

1. SPRAY GUARD MOUNTING ANGLE KIT:

P/N S-22428-2 (37" & 38" I-BEAM CENTERS)
P/N S-22428-8 (43" & 44" I-BEAM CENTERS)

2. AIR TANK MOUNTING BRACKET KITS: (SEE PAGE 2)
P/N S-27742-1 FOR 1488 CU. IN. OR 2800 CU. IN. TANK, (37" & 38" I-BEAM CENTERS)
P/N S-27742-2 FOR 1488 CU. IN. OR 2800 CU. IN. TANK, (43" & 44" I-BEAM CENTERS)

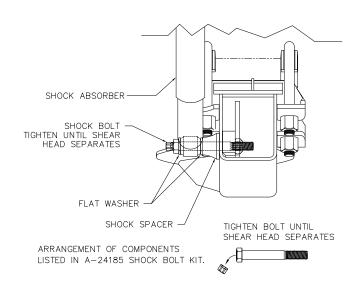
3. STINGER:

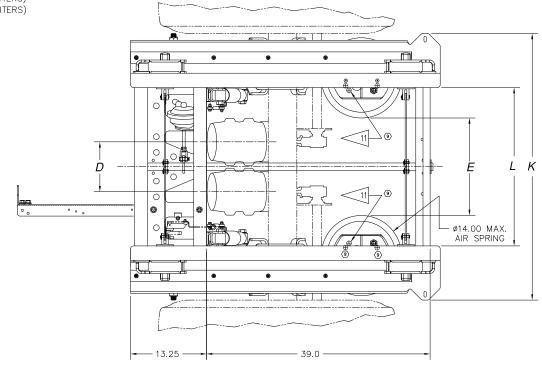
S-27028-1 23.75 INCH (SHOWN PAGE 2)

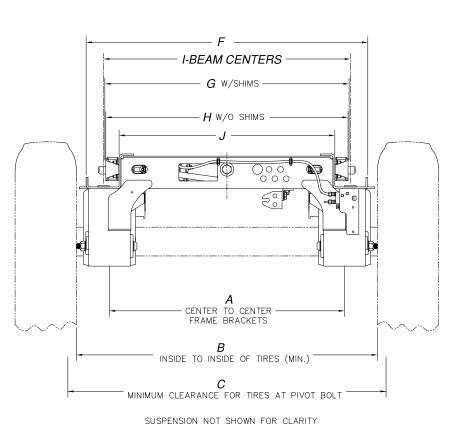
4. SLIDER LOCATING BAR:

LOCATING BAR NOT AVAILABLE FROM HENDRICKSON

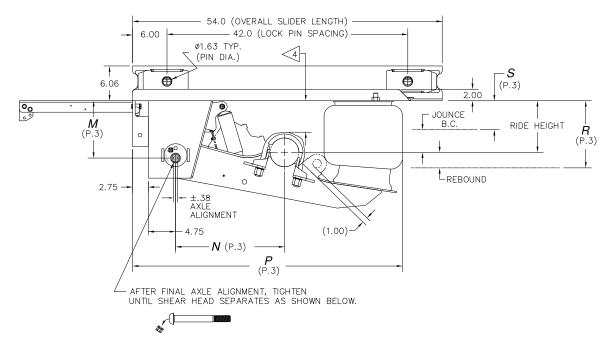
LOWER SHOCK MOUNTING ILLUSTRATION







I-BEAM	SLIDER/ SUSPENSION WIDTH DIMENSIONS (INCHES)										
CENTERS	Α	В	C	D	E	F	G	Н	J	K	L
37"	35.0	46.50	49.00	9.5 MAX	17.00	43.13	36.61	36.25	31.63	45.50	26.63
38"	35.0	46.50	49.00	9.5 MAX	17.00	44.13	37.61	37.25	32.63	46.50	27.63
43"	41.0	52.50	55.00	15.5 MAX	23.00	49.13	42.61	42.25	37.63	51.50	32.63
44"	41.0	52.50	55.00	15.5 MAX	23.00	50.13	43.61	43.25	38.63	52.50	33.63



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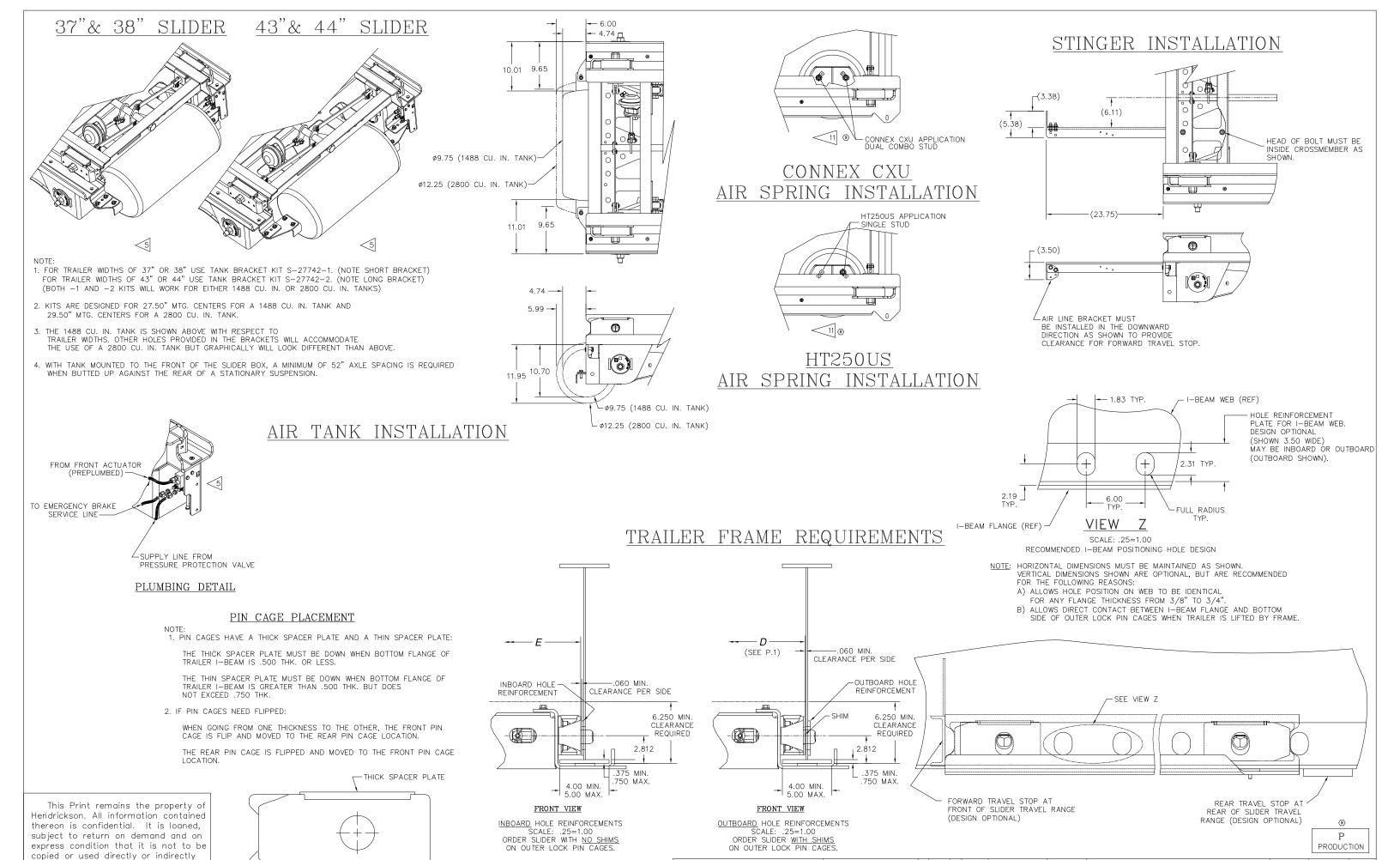
UNLESS OTHERWISE NOTED: 9 \$3,0743 | \$\si\$ | \$11-01-17 | \$\text{DRAME BY} \\ \text{C} \\ \text{C} \\ \text{ANDERSON} \\ 7-22-04 \\ \text{C} \\ \text{ANDERSON} \\ 7-22-04 \\ \text{ANDERSON} \\ \text{ANDERSON} \\ \text{7} \\ \text{ANDERSON} \\ \text{7} \\ \text{1833} \\ \text{CN} \\ \text{5} \\ \text{1} \\ \text{6} \\ \text{6} \\ \text{9} \\ \text{9} \\ \text{5} \\ \text{1} \\ \text{6} \\ \

HTZUS INSTALLATION DRAWING BINGLE SLIDER

SCALE D PAGE 1.000 STATE D PAGE 1 OF 3 DEANING IN. D-28439

(9)

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D-28439

HTZUS INSTALLATION DRAWING

SINGLE SLIDER

RIDE HEIGHT	JOUNCE	REBOUND	BUMPER CONTACT	М	N	Р	4 S	R R	**SUSPENSION WEIGHT (LB)
5.5	2.1	4.7	1.6	8.0	18.85	47.10	3.4	10.2	275.21
6.5	3.1	3.7	2.6	0.0	18.96	47.10	J.4	10.2	2/3.21
7.5	3.2	6.3	2.7	10.0	18.85	47.10	4.3	13.8	276.21
9.0	4.7	4.8	4.2	10.0	19.00	4/.10	4.5	10.0	2/0.21

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you.

RIDE	* SLIDER BOX WEIGHT (LB)							
HEIGHT	I-BEAM CENTERS							
TILIGITI	37"	38"	43"	44"				
5.5	360 50	362.79	373 70	376 00				
6.5	300.39	302.79	5/5./9	370.00				
7.5	376 97	378.47	 380 /17	701 68				
9.0	0/0.2/	0/0.4/	003.47	391.00				

- * BOX WEIGHT INCLUDES: SLIDER BOX WELDMENT WITH FRAME BRACKETS, LOCK PINS AND ALL PIN PULL COMPONENTS (INCLUDING ACTUATOR VALVE, FITTINGS, ETC.) AND NO SHIMS (FOR TRAILERS WITH INTERNAL WEB REINFORCEMENT AT LOCK PIN HOLES).
- ** SUSPENSION WEIGHT INCLUDES: BEAMS, BUSHINGS, PIVOT CONNECTION COMPONENTS, AIR SPRING COMPONENTS AND SHOCK ABSORBER COMPONENTS.

**** OPTION WEIGHT ADDITION (LB)							
	I-BEAM CENTERS						
OPTIONAL COMPONENT	37" & 38"	43" & 44"					
SHIMS ON BOX (FOR EXTERNAL WEB HOLE REINFORCEMENT)	5.	72					
HIGH-DAMPING SHOCKS	2.20						
SHOCK STRAPS 1.06		06					
AKH-236-3 HCV KIT (BOLTED LINK)	2.31						
STINGER KIT (23.75" LG)	10.02						
SPRAY GUARD MTG. ANGLE KIT	23.8	25.3					
AIR TANK BRACKET KIT (2800 C.I. TANK)	2.26	3.24					
AIR TANK BRACKET KIT (1488 C.I. TANK)	2.20	J.Z4					

NOTES:

- 1. TO OBTAIN TOTAL SYSTEM WEIGHT, ADD ONE ITEM EACH FROM SLIDER BOX AND SUSPENSION PLUS ALL APPLICABLE OPTION WEIGHTS FROM OPTION WEIGHT TABLE.
- 2. CONTACT HENDRICKSON FOR ALLOWABLE RIDE HEIGHT RANGES.
- JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.
- DIMENSIONS "S" & "R" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.
- 5. RIDE HEIGHT JOUNCE = "S"
 RIDE HEIGHT + REBOUND = "R"







