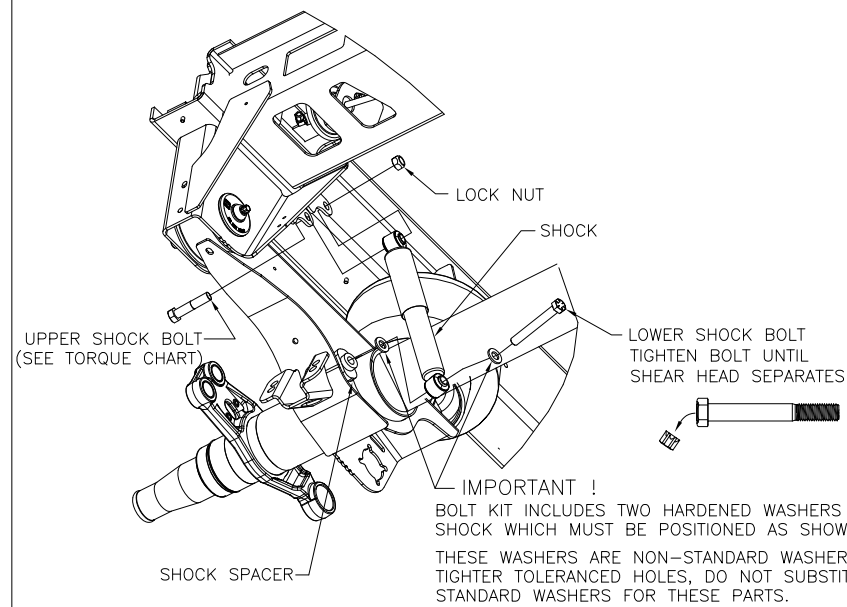


SHOCK INSTALLATION



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-27011-1 2800 CU. IN. TANK, (37" & 38" I-BEAM CENTERS)
 P/N S-27011-2 2800 CU. IN. TANK, (43" & 44" I-BEAM CENTERS)
 P/N S-27011-3 1488 CU. IN. TANK, (37" & 38" I-BEAM CENTERS)
 P/N S-27011-4 1488 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

NOTES:

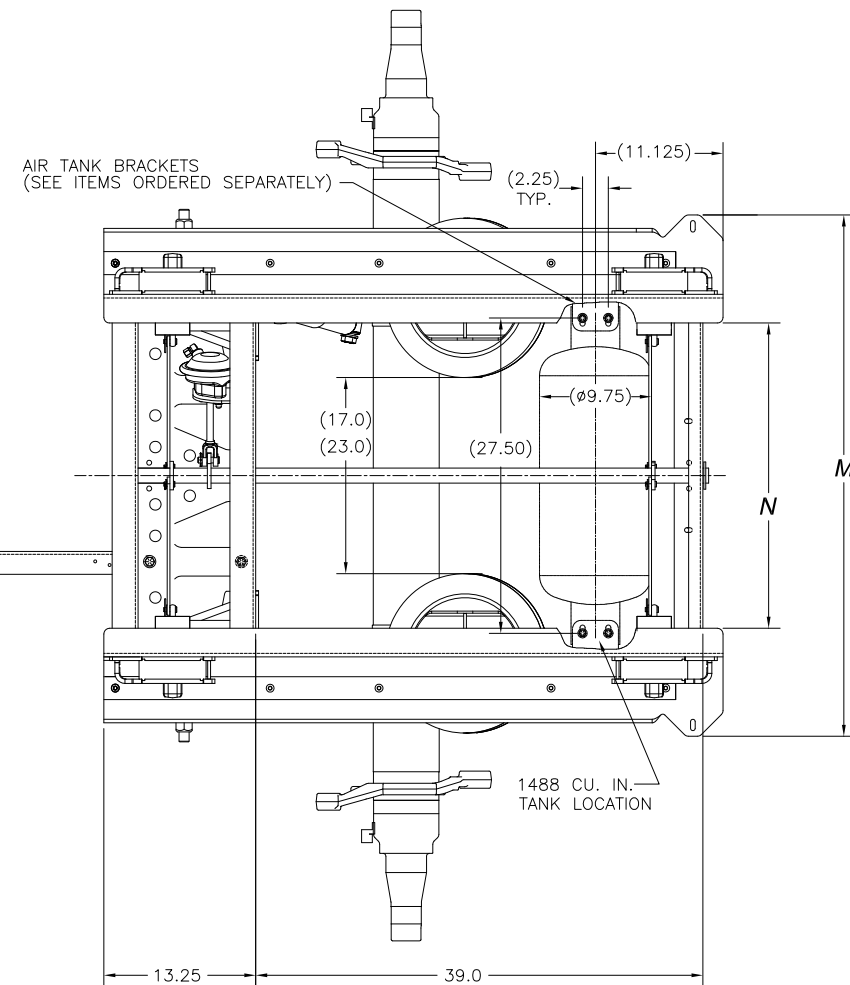
1. SEE L-341 INTRAAX[®] INSTALLATION INSTRUCTIONS FOR INFORMATION ON ASSEMBLY, WELDING PROCEDURE, AND ALIGNMENT.
2. SEE SERVICE MANUAL FOR INFORMATION CONCERNING MAINTENANCE PROCEDURE.
3. SEE L-1182 FOR HEIGHT CONTROL KIT OPTIONS.
4. DO NOT WELD ON AXLE TUBE.
5. DO NOT WELD ON SLIDER BOX.
6. SEE AKSS0001 FOR HENDRICKSON RECOMMENDED PLUMBING PROCEDURE.

CLEARANCE SPECIFICATIONS:

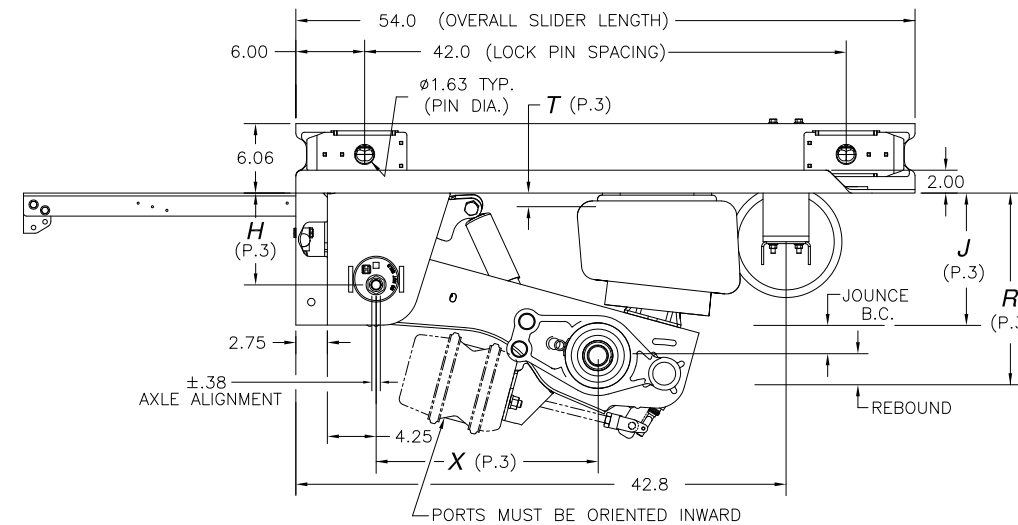
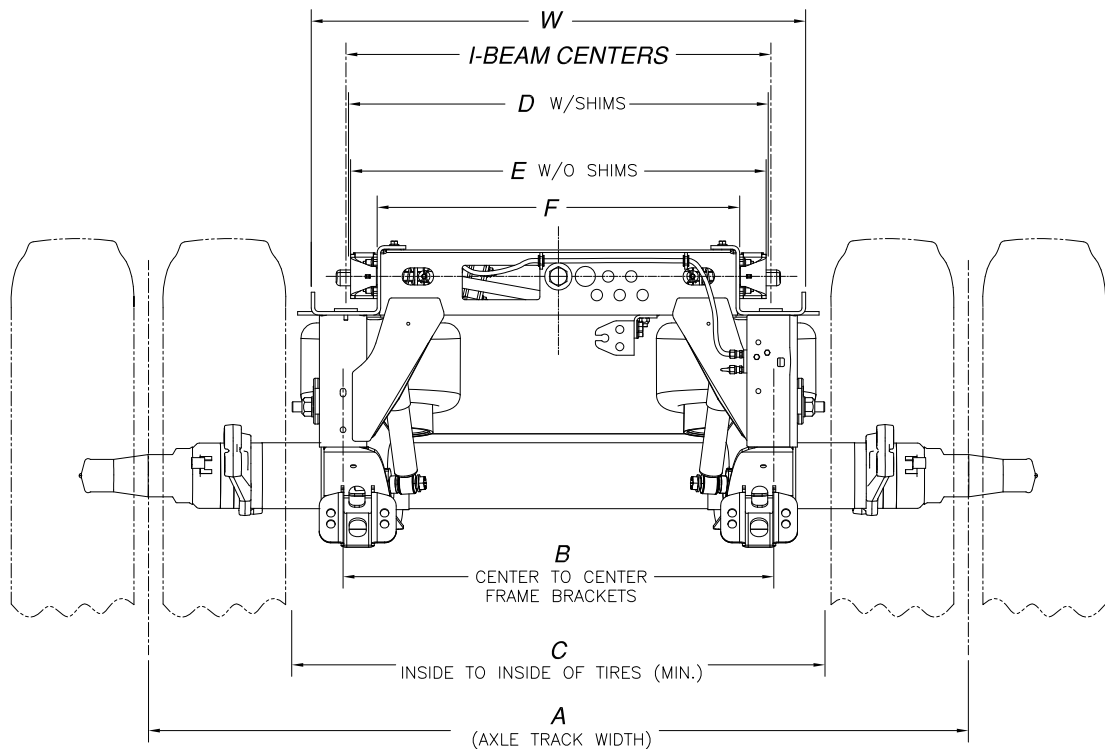
- a) 1.0 INCH MINIMUM CLEARANCE REQUIRED BETWEEN TOP OF TIRE AND BOTTOM OF TRAILER STRUCTURE WHEN AXLE IS AT FULL JOUNCE.
- b) 2.0 INCHES MINIMUM CLEARANCE REQUIRED BETWEEN INSIDE OF TIRE AND TRAILER STRUCTURE FOR TIRE AND LATERAL MOVEMENT.
- c) .75 INCH MINIMUM CLEARANCE MUST BE MAINTAINED AROUND AIR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

NOTE:

THE INSTALLATION OF THE SINGLE AXLE AAZNT 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.

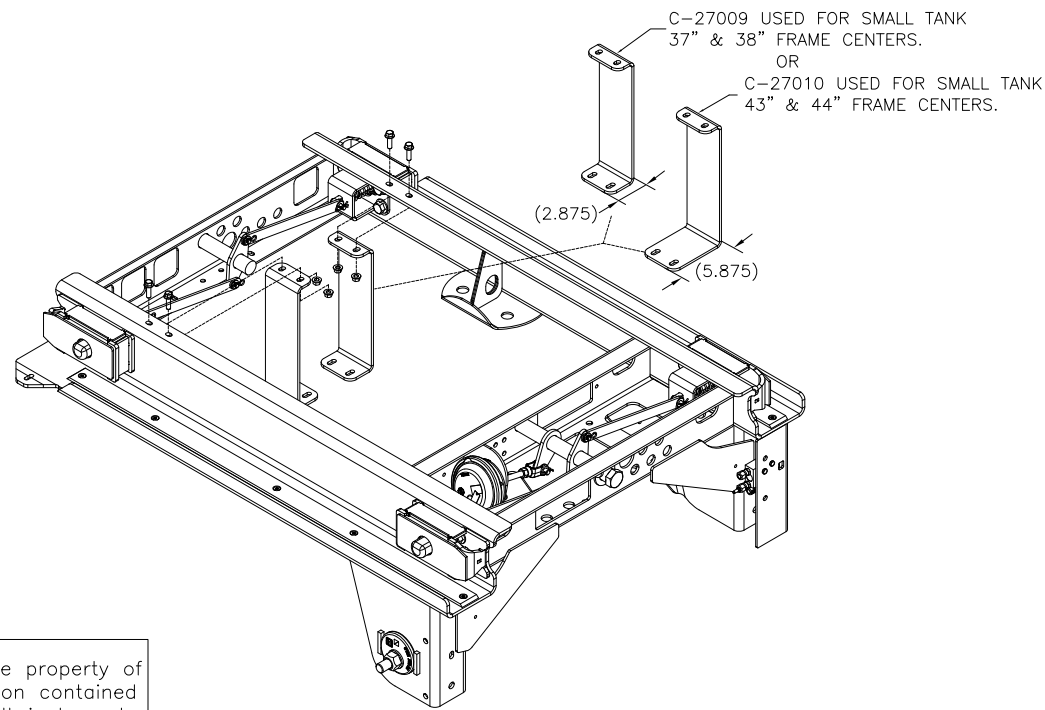


I-BEAM CENTERS	SLIDER/ SUSPENSION WIDTH DIMENSIONS (INCHES)								
	A	B	C	D	E	F	M	N	W
37"	71.5	37.5	46.50	36.61	36.25	31.63	45.50	26.63	43.13
38"	71.5	37.5	46.50	37.61	37.25	32.63	46.50	27.63	44.13
43"	77.5	43.5	52.50	42.61	42.25	37.63	51.50	32.63	49.13
44"	77.5	43.5	52.50	43.61	43.25	38.63	52.50	33.63	50.13



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12 *DWG PART NUMBER REVISION MUST MATCH REVISION OF DOCUMENT
 PART NO. *REV 12
 P PRODUCTION
 SCALE .125=1.000 SIZE D PAGE 1 OF 3



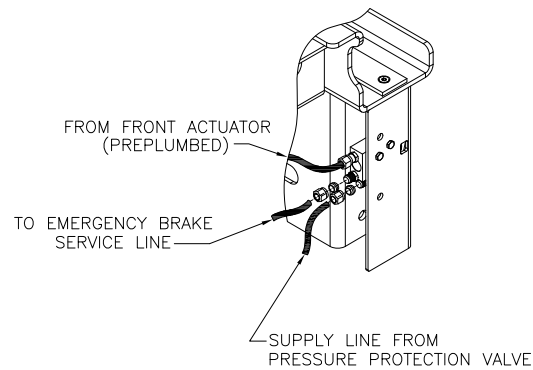
AIR TANK BRACKETS

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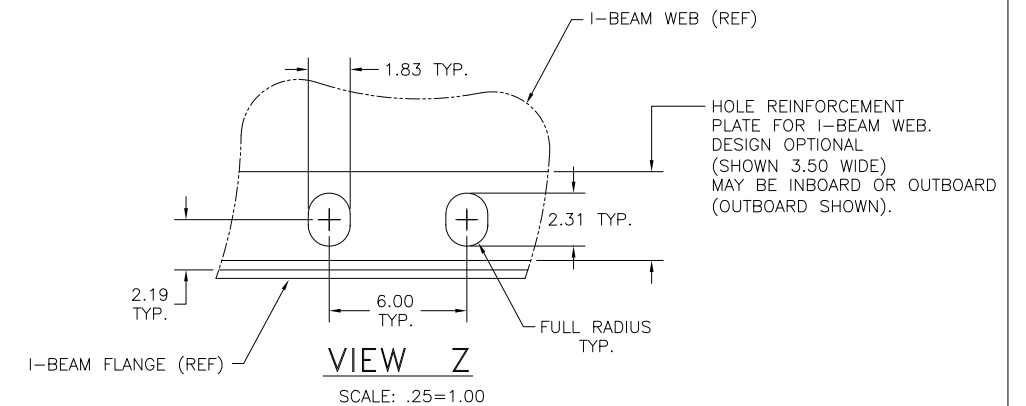
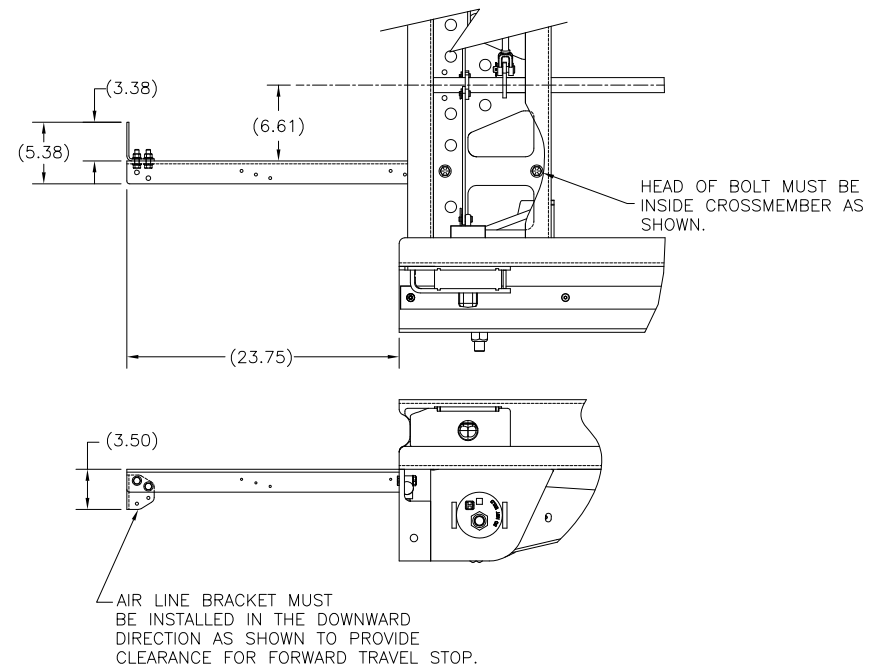
TORQUE SPECIFICATIONS

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	55-60
S-CAM BEARING BOLTS	3/8-16	35-45
BRAKE CHAMBER MTG. NUTS	5/8-11	100-110
AIR ACTUATOR VALVE MTG. BOLTS	1/4-20	9-13
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
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
AIR ASSIST CHAMBER JAM NUT	1/2-13	20-30

PLUMBING DETAIL



STINGER INSTALLATION



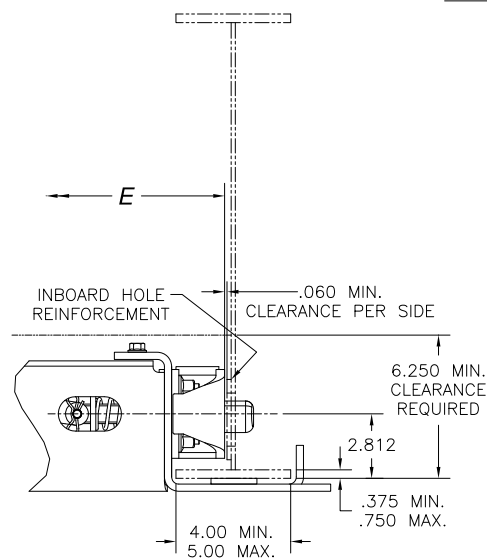
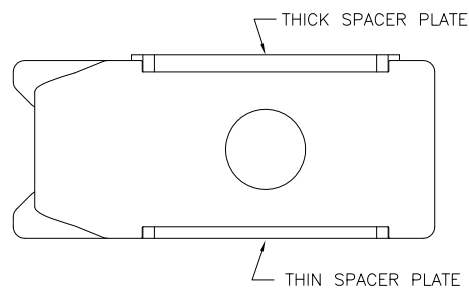
TRAILER FRAME REQUIREMENTS

RECOMMENDED I-BEAM POSITIONING HOLE DESIGN

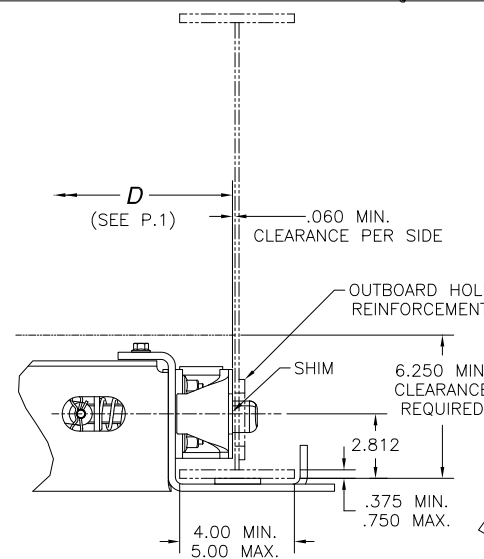
NOTE: HORIZONTAL DIMENSIONS MUST BE MAINTAINED AS SHOWN. VERTICAL DIMENSIONS SHOWN ARE OPTIONAL, BUT ARE RECOMMENDED FOR THE FOLLOWING REASONS:
 A) ALLOWS HOLE POSITION ON WEB TO BE IDENTICAL FOR ANY FLANGE THICKNESS FROM 3/8" TO 3/4".
 B) ALLOWS DIRECT CONTACT BETWEEN I-BEAM FLANGE AND BOTTOM SIDE OF OUTER LOCK PIN CAGES WHEN TRAILER IS LIFTED BY FRAME.

PIN CAGE PLACEMENT

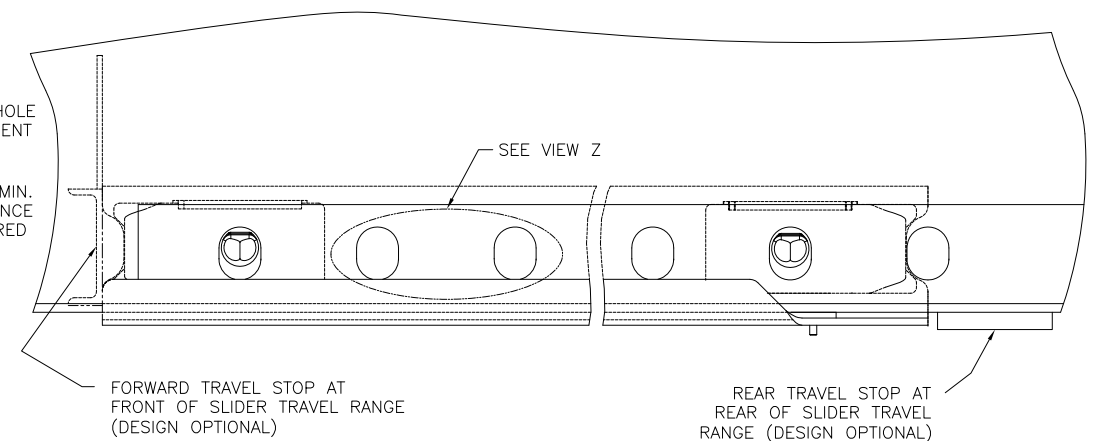
- NOTE:
- PIN CAGES HAVE A THICK SPACER PLATE AND A THIN SPACER PLATE:
 THE THICK SPACER PLATE MUST BE DOWN WHEN BOTTOM FLANGE OF TRAILER I-BEAM IS .500 THK. OR LESS.
 THE THIN SPACER PLATE MUST BE DOWN WHEN BOTTOM FLANGE OF TRAILER I-BEAM IS GREATER THAN .500 THK. BUT DOES NOT EXCEED .750 THK.
 - IF NEEDED AND PIN CAGES NEED FLIPPED.
 WHEN GOING FROM ONE THICKNESS TO THE OTHER, THE FRONT PIN CAGE IS FLIP AND MOVED TO THE REAR PIN CAGE LOCATION.
 THE REAR PIN CAGE IS FLIPPED AND MOVED TO THE FRONT PIN CAGE LOCATION.



FRONT VIEW
 INBOARD HOLE REINFORCEMENTS
 SCALE: .25=1.00
 ORDER SLIDER WITH NO SHIMS ON OUTER LOCK PIN CAGES.



FRONT VIEW
 OUTBOARD HOLE REINFORCEMENTS
 SCALE: .25=1.00
 ORDER SLIDER WITH SHIMS ON OUTER LOCK PIN CAGES.



DIMENSION FROM PAGE 1

RIDE HEIGHT	JOUNCE	REBOUND	BUMPER CONTACT	DIMENSION FROM PAGE 1					** SUSPENSION WEIGHT (LB)
				T	H	X	J	R	
13.5	3.1	5.5	2.5	—	8.0	19.5	10.4	19.0	177.53
14.0	3.6	5.0	3.0	—	8.0	19.4	10.4	19.0	177.53
15.0	3.6	4.0	3.0	—	8.0	19.1	11.4	19.0	179.65
16.0	3.6	4.9	3.1	—	10.0	19.4	12.4	20.9	181.21
17.0	3.7	3.9	3.1	1.125	10.0	19.1	13.3	20.9	184.26

*** AXLE WEIGHT (LB)			
AXLE WALL	STANDARD		
I-BEAM CENTERS	37" & 38"	43" & 44"	
SPINDLE TYPE	HN	252.48	261.76
	HP	256.94	266.26

* SLIDER BOX WEIGHT (LB)				
RIDE HEIGHT	SINGLE AXLE			
	I-BEAM CENTERS			
	37"	38"	43"	44"
13.5				
14.0	341.55	343.73	354.75	356.94
15.0				
16.0	348.67	350.85	361.87	364.06
17.0				

NOTES:

- TO OBTAIN TOTAL SYSTEM WEIGHT, ADD ONE ITEM EACH FROM SLIDER BOX, SUSPENSION & AXLE WEIGHT TABLES, PLUS ALL APPLICABLE OPTION WEIGHTS FROM OPTION WEIGHT TABLE.
- CONTACT HENDRICKSON FOR ALLOWABLE RIDE HEIGHT RANGES.

- 3 JOUNCE AND REBOUND DIMENSIONS CHANGE AS THE RIDE HEIGHT CHANGES FROM THE NOMINAL POSITION.
- 4 DIMENSIONS "J" & "R" WILL REMAIN CONSTANT REGARDLESS OF RIDE HEIGHT VARIATION FROM NOMINAL POSITION.

* 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, AXLE WRAPS, PIVOT CONNECTION COMPONENTS, AIR SPRING COMPONENTS AND SHOCK ABSORBER COMPONENTS. WEIGHT IS TOTAL FOR ONE SUSPENSION.

*** AXLE WEIGHT INCLUDES: AXLE TUBE, SPINDLES, SPIDERS, STANDARD 16.5" X 7" BRAKE COMPONENTS, AND AXLE NUT KIT (BRAKE CHAMBERS AND SLACK ADJUSTERS NOT INCLUDED). WEIGHT IS TOTAL FOR ONE AXLE.

**** OPTION WEIGHT TABLE IS NOT ALL-INCLUSIVE; MANY ADDITIONAL OPTIONS ARE AVAILABLE. CONTACT HENDRICKSON ENGINEERING FOR WEIGHTS OF OPTIONS NOT LISTED IN CHART.

**** OPTION WEIGHT ADDITION (LB)		
OPTIONAL COMPONENT	I-BEAM CENTERS	
	37" & 38"	43" & 44"
SHIMS ON BOX (FOR EXTERNAL WEB HOLE REINFORCEMENT)	5.72	
16.5" X 7" HXS BRAKES	4.04	
16.5" X 8.625" HXS BRAKES	15.60	
EXTENDED SERVICE/HIGH-DAMPING SHOCKS	2.70	
LOW-PRESSURE AIR SPRINGS	7.60	
SEALED CLAMP-ON DUST SHIELDS	14.60	
SHOCK STRAPS	.90	
HALDEX BRAKE CHAMBERS (STD. STROKE)	40.70	
HALDEX BRAKE CHAMBERS (LONG STROKE)	44.08	
HALDEX BRAKE CHAMBERS (LONG STROKE, EXTENDED WARRANTY)	44.34	
HALDEX SLACK ADJUSTERS (5.5" OR 6.0" LG.)	14.04	
AKH0270-3 HCV KIT (BOLTED LINK)	3.06	
STINGER KIT (23.75" LG)	10.02	
MUD FLAP MTG. ANGLE KIT	23.80	25.30
AIR TANK BRACKET KIT (2800 C.I. TANK)	7.54	8.80
AIR TANK BRACKET KIT (1488 C.I. TANK)	7.74	9.32

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12	PART NO.	* REV	P PRODUCTION
	DWG D-27452	12	