

INTRAAAX AAT INSTALLATION

ITEM	PART NO.	DESCRIPTION	QTY.
1	A-24614	LIFT ASSEMBLY BOLT KIT	1
2	C-23114	AIR SPRING	2
3	C-23299C	LIFT BRACKET	2
4	B-27945	BEAM PLATE ASSEMBLY	2
5	D-23301C	HANGER SUPPORT ASSEMBLY	2
6	B-2901-37	.25 GUSSET	4
7	*A-26828	IDENTIFICATION TAG	1
8	*DWG D-24343	UBL-001	1
9	*A-21066	RIVET, DRIVE	1
10	*T91001	UBL HARDWARE KIT INFORMATION	1

SECTION AA

SCALE: .50=1.00

FIRST WELD. BEFORE GUSSET. 4X

USE THIS DIMENSION AND WELD AS SHOWN TO RETROFIT OLDER SUSPENSIONS WHICH DO NOT HAVE LOCATING HOLES IN THE BEAM'S BOTTOM PLATE.

* NOT SHOWN

NOTES:

- 14.0 RIDE HEIGHT SHOWN, INSTALLATION IS SAME FOR ALL RIDE HEIGHTS.
- WEIGHT: 70.49 LB INCLUDES .98 LB FOR WELD.
- IF GAP EXISTS BETWEEN LIFT BRACKET (ITEM 3) AND BEAM PLATE ASSEMBLY (ITEM 4), USE A C-CLAMP TO COMPRESS LEGS OF LIFT BRACKET TO ALLOW BEAM PLATE ASSEMBLY TO FIT.
- WELD: 28.5 VOLTS, 400 IPM, 275-300 AMPS, 35 CFH (GAS FLOW), .045 WIRE. FILL ALL CRATERS AT END OF WELDS. WELD DIRECTION: START STOP
- UBL-001 INTENDED FOR USE WITH CARBON STEEL FRAME BRACKETS ONLY. USE UBL-101 OR UBL-102 FOR STAINLESS STEEL FRAME BRACKETS.

WARNING!

SELF-TAPPING SCREWS ARE FOR LOCATION ONLY. LIFT BRACKET (ITEM 3) MUST BE WELDED AS SHOWN.

REAR SELF-TAPPING SCREW MAY NEED TO BE REMOVED AFTER WELDING OPERATION WHEN LONG STROKE BRAKE CHAMBERS ARE USED.

IMPORTANT!

REMOVE BEAM PLATE ASSEMBLIES (TWO 1/2" BOLTS) TO INSTALL OR REMOVE PARKING BRAKE CHAMBERS. DOES NOT APPLY TO SERVICE BRAKE CHAMBERS.

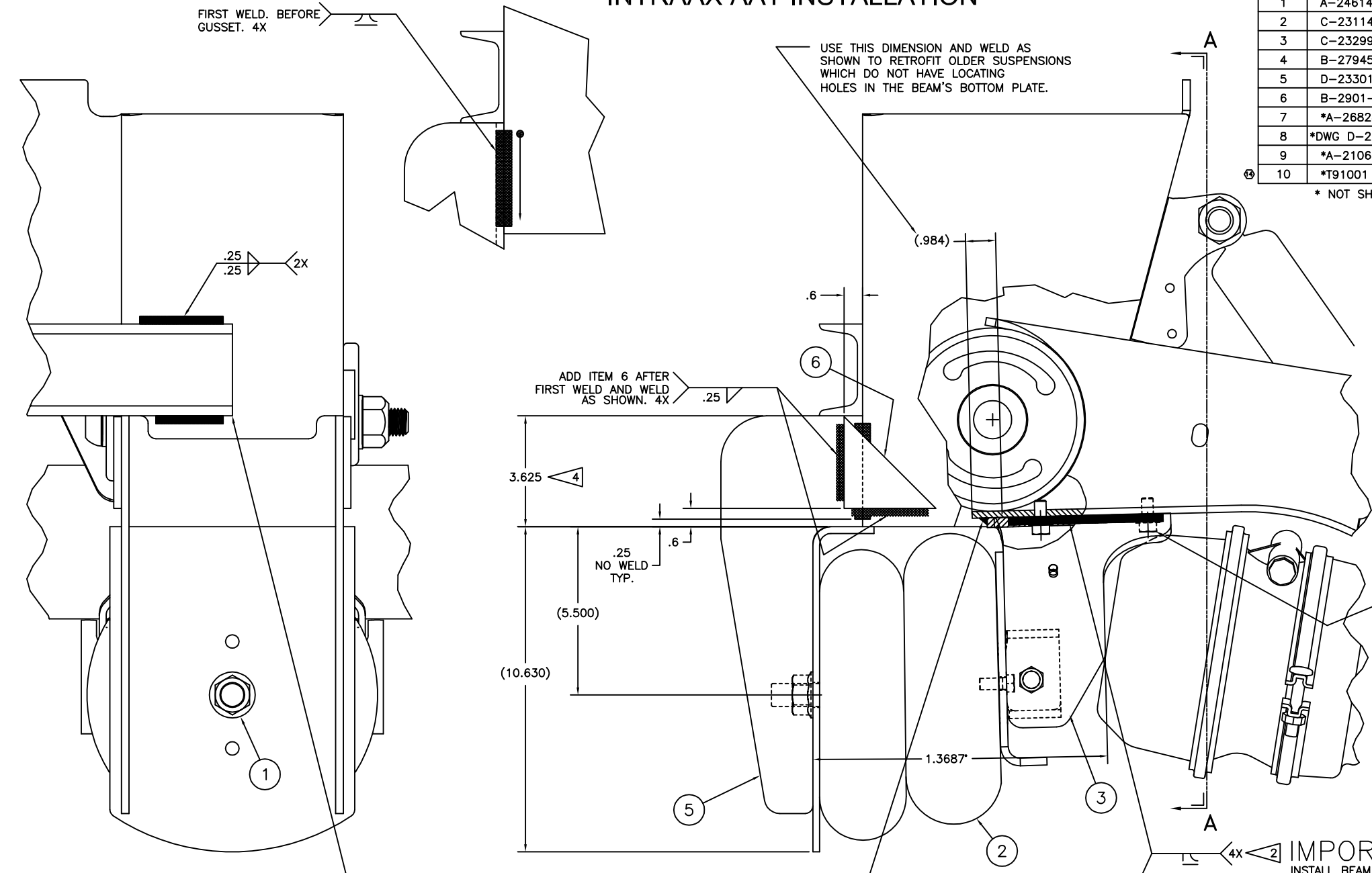
IMPORTANT!

INSTALL BEAM PLATE ASSEMBLIES BEFORE WELDING.

50.00 MIN. SPACING BETWEEN AXLES WHEN ADDITIONAL AAL SUSPENSION IS FORWARD OF LIFT SUSPENSION
43.00 MIN. SPACING BETWEEN AXLES WHEN ADDITIONAL AAT SUSPENSION IS FORWARD OF LIFT SUSPENSION

3.00 CHANNEL IS REQUIRED FOR WINGLESS HANGERS, NOT REQUIRED FOR WINGED HANGERS, SEE SUSPENSION INSTALLATION DRAWING FOR DETAILS.

SCALE 1:8



IMPORTANT!

IF CROSS CHANNEL IS REQUIRED INSTALL HANGER SUPPORT BRACKET (ITEM 5) FIRST, REST CHANNEL ON TOP OF BRACKET SURFACE AND WELD AS SHOWN.

IF RETROFIT, TAKE OFF CHANNEL AND RELOCATE.

AIR SPRING NOT SHOWN FOR CLARITY

HIDDEN WELD SHOWN IN THIS VIEW FOR CLARITY

ITEM 5 TO BE FLUSH WITH HANGER SIDES WITHIN 1/16

ASSEMBLY PROCEDURE:

- 1 LOCATE LIFT BRACKETS (ITEM 3) WITH SELF-TAPPING SCREWS.
- 2 INSTALL BEAM PLATE ASSEMBLIES (ITEM 4) TO LIMIT DISTORTION OF LIFT BRACKETS (ITEM 3) DURING WELDING.
- 3 WELD TO BEAMS AS SHOWN.
- 4 LOCATE TOP OF HANGER SUPPORT ASSEMBLY (ITEM 5) 3 5/8 FROM BOTTOM OF HANGERS AND WELD AS SHOWN.
- 5 LOCATE AND WELD "C" CHANNEL AS SHOWN IF REQUIRED.
- 6 IF PARKING BRAKES ARE REQUIRED, INSTALL AT THIS TIME.
- 7 INSTALL AIR SPRINGS (ITEM 2).

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TORQUE SPECIFICATIONS		
DESCRIPTION	SIZE	TORQUE(FT-LB)
AIR SPRING BOLTS	3/8-16	25-35
AIR SPRING NUT	3/4-16	45-55
BEAM PLATE ASSEMBLY BOLTS	1/2-13	55-75
BRAKE CHAMBER MTG. NUTS	5/8-11	100-110
SELF TAPPING SCREWS	3/8	160-180 IN-LB

PART NUMBER	REV
UBL-001	14

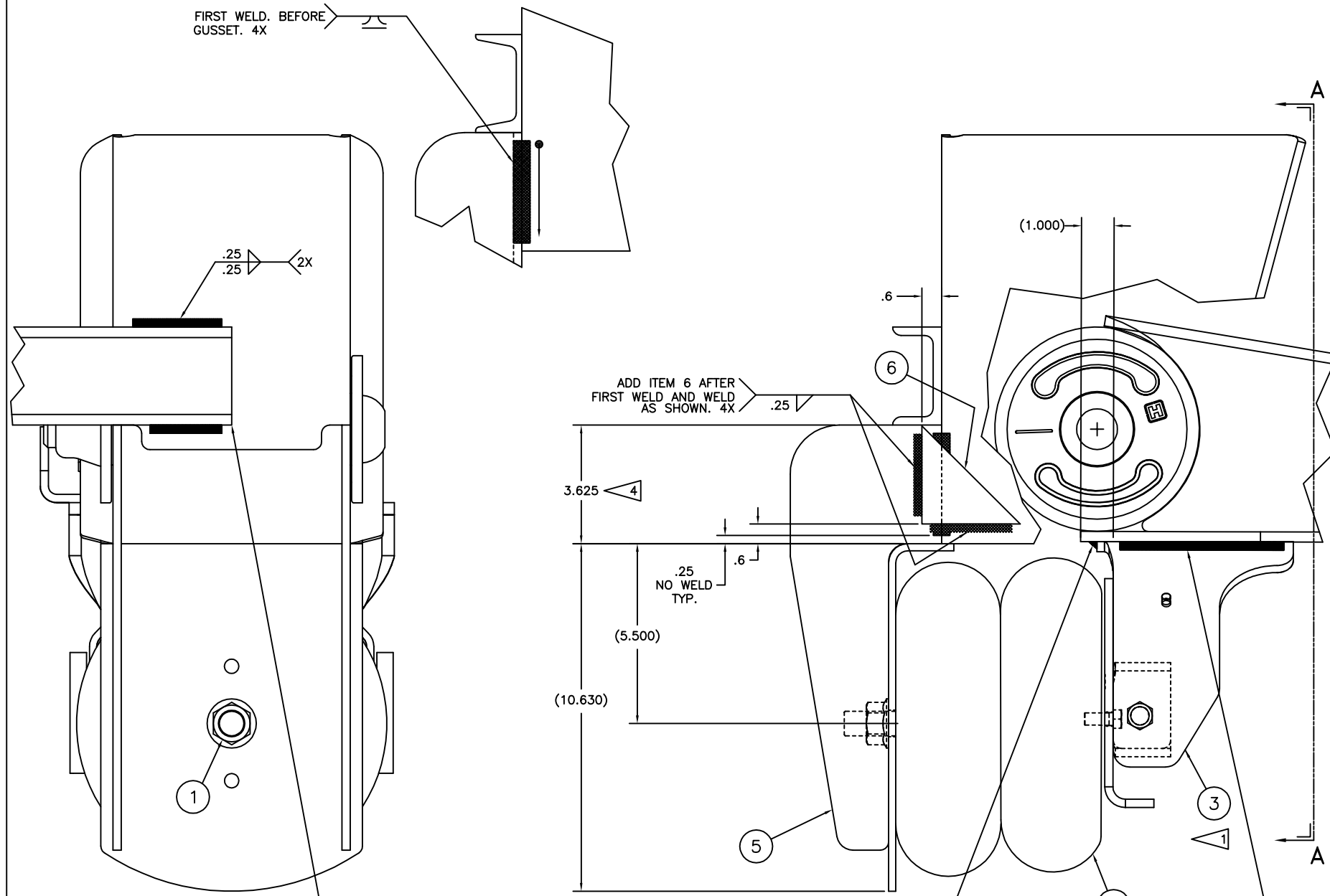
H. HENDRICKSON
TRAILER COMMERCIAL VEHICLE SYSTEMS
2070 INDUSTRIAL PLACE S.E., CANTON, OH 44707-2822 U.S.A.

UNLESS OTHERWISE NOTED: TOLERANCES ARE DIMENSIONS ARE INCHES	DATE	BY	DATE	BY
XXC ± .030	11/12	CDH	2/14/12	
ANGULAR: ± 0.5°	11/12	ADS	6-8-11	
DIMENSIONS ADHERE TO ANSI Y14.5M-1982	REV.	ECN NO.	BY	DATE

DESIGNED BY: M. OYSTER 10/20/98
CHECKED BY: 12/2/98 G. SHENKLE
APPROVED BY: J. RAMSEY

UBL-001

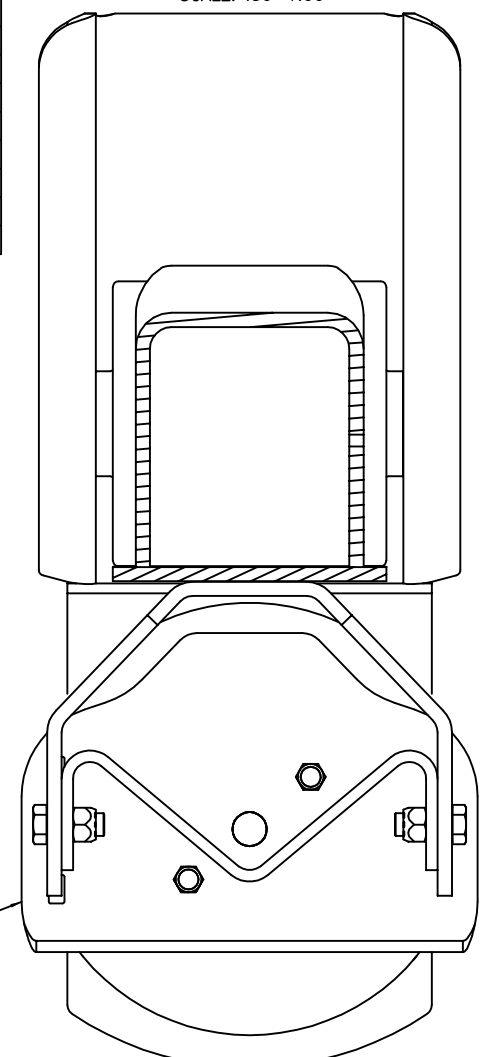
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Dwg No. D-24343
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SECTION AA

SCALE: .50=1.00



- NOTES:
- 15.0 RIDE HEIGHT SHOWN, INSTALLATION IS SAME FOR ALL RIDE HEIGHTS.
 - WEIGHT: 70.49 LB
INCLUDES .98 LB FOR WELD.
 - IF GAP EXISTS BETWEEN LIFT BRACKET (ITEM 3) AND BEAM PLATE ASSEMBLY (ITEM 4), USE A C-CLAMP TO COMPRESS LEGS OF LIFT BRACKET TO ALLOW BEAM PLATE ASSEMBLY TO FIT.
 - WELD:
28.5 VOLTS, 400 IPM, 275-300 AMPS,
35 CFH (GAS FLOW), .045 WIRE
FILL ALL CRATERS AT END OF WELDS.
WELD DIRECTION:
STOP START
 - DO NOT USE THIS LIFT KIT WITH DUAL TIRE SELF-STEER AXLE.
 - UBL-001 INTENDED FOR USE WITH CARBON STEEL FRAME BRACKETS ONLY. USE UBL-101 OR UBL-102 FOR STAINLESS STEEL FRAME BRACKETS.

HT230 INSTALLATION

IMPORTANT!

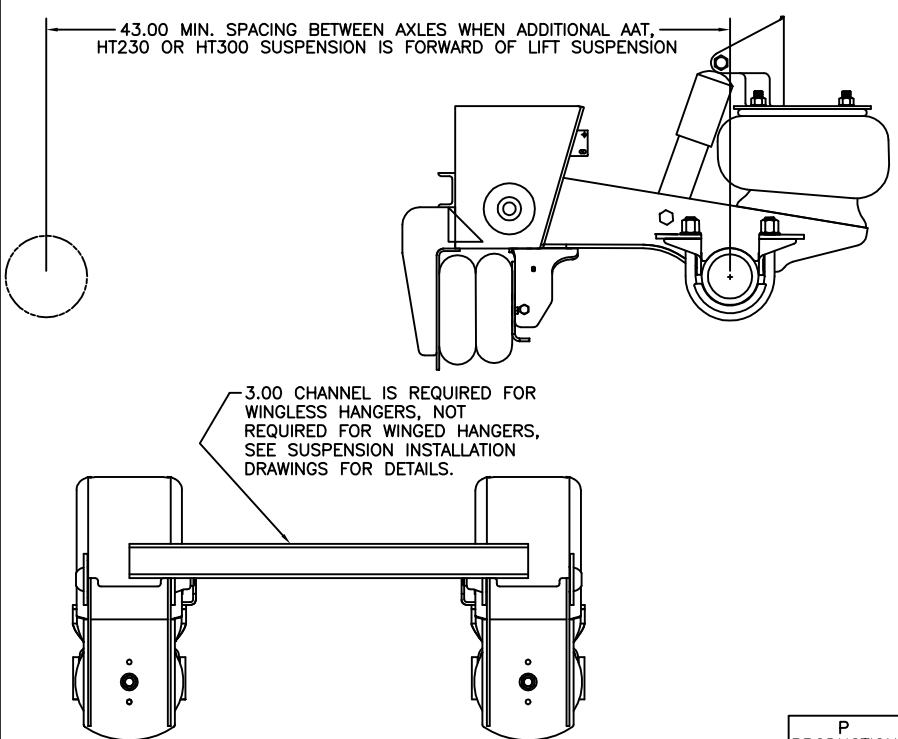
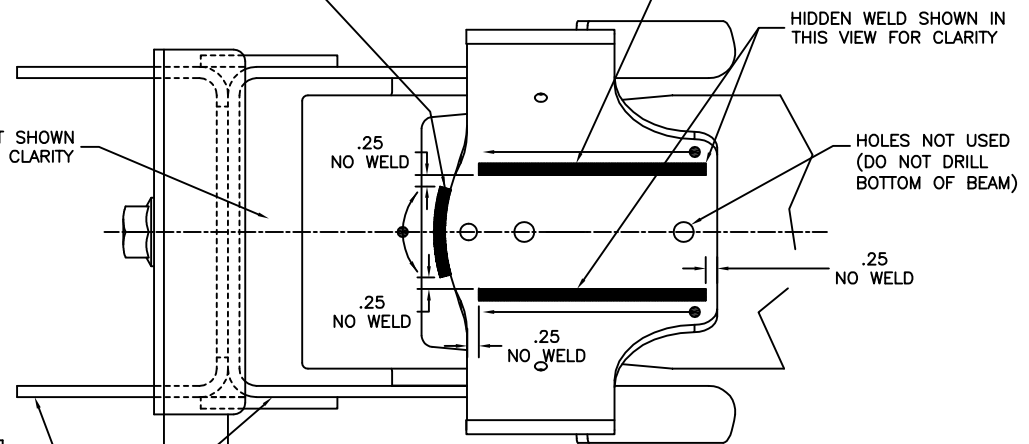
IF CROSS CHANNEL IS REQUIRED INSTALL HANGER SUPPORT BRACKET (ITEM 5) FIRST, REST CHANNEL ON TOP OF BRACKET SURFACE AND WELD AS SHOWN.
IF RETROFIT, TAKE OFF CHANNEL AND RELOCATE.

ASSEMBLY PROCEDURE:

- 1 LOCATE LIFT BRACKETS (ITEM 3) AND CLAMP INTO PLACE. HOLES IN LIFT BRACKETS NOT USED (DO NOT DRILL BEAM).
- 2 INSTALL BEAM PLATE ASSEMBLIES (ITEM 4) TO LIMIT DISTORTION OF LIFT BRACKETS (ITEM 3) DURING WELDING.
- 3 WELD TO BEAMS AS SHOWN.
- 4 LOCATE TOP OF HANGER SUPPORT ASSEMBLY (ITEM 5) 3 5/8 FROM BOTTOM OF HANGERS AND WELD AS SHOWN.
- 5 LOCATE AND WELD "C" CHANNEL AS SHOWN IF REQUIRED.
- 6 INSTALL AIR SPRINGS (ITEM 2).

IMPORTANT!

INSTALL BEAM PLATE ASSEMBLIES BEFORE WELDING.



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H. HENDRICKSON
TRAILER COMMERCIAL VEHICLE SYSTEMS
2070 INDUSTRIAL PLACE S.E., CANTON, OH 44707-2000, U.S.A.

UNLESS OTHERWISE NOTED: DIMENSIONS ARE IN INCHES
X: ± .1
XX: ± .06
XXX: ± .030
ANGULAR: ± 0.5°
DIMENSIONS ADHERE TO ANSI Y14.5M-1982 (REV. E) CON. NO. BY DATE

14 31904 D/D 9-26-18
13 31583 D/D 6-30-18
12 20460 CDP 2/14/12
11 19856 MDS 6-8-11

DRAWN BY: P. BILLMAN 5-4-05
CHECKED BY: S. S. OS K. GALIGHER
APPROVED BY: R. GORE

UBL-001
SCALE: .50=1.00
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