

NOTES:

1. RECOMMENDED BRAKE S-CAMSHAFT AND BRAKE CHAMBER LOCATIONS LISTED IN CHART AA ARE FOR REFERENCE ONLY AND MAY VARY SLIGHTLY BASED ON AXLE MANUFACTURERS RECOMMENDATIONS.

2. REQUIRES SUSPENSION WITH U-BOLT KIT A-21140

3. REQUIRES SUSPENSION WITH U-BOLT KIT A-22237

P PRODUCTION

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S. BIRKEY

ADHERE TO ANSI Y14.5M—1982 REV. ECN NO. BY DATE

DRAWN BY

J. HOFER

11/2/2021

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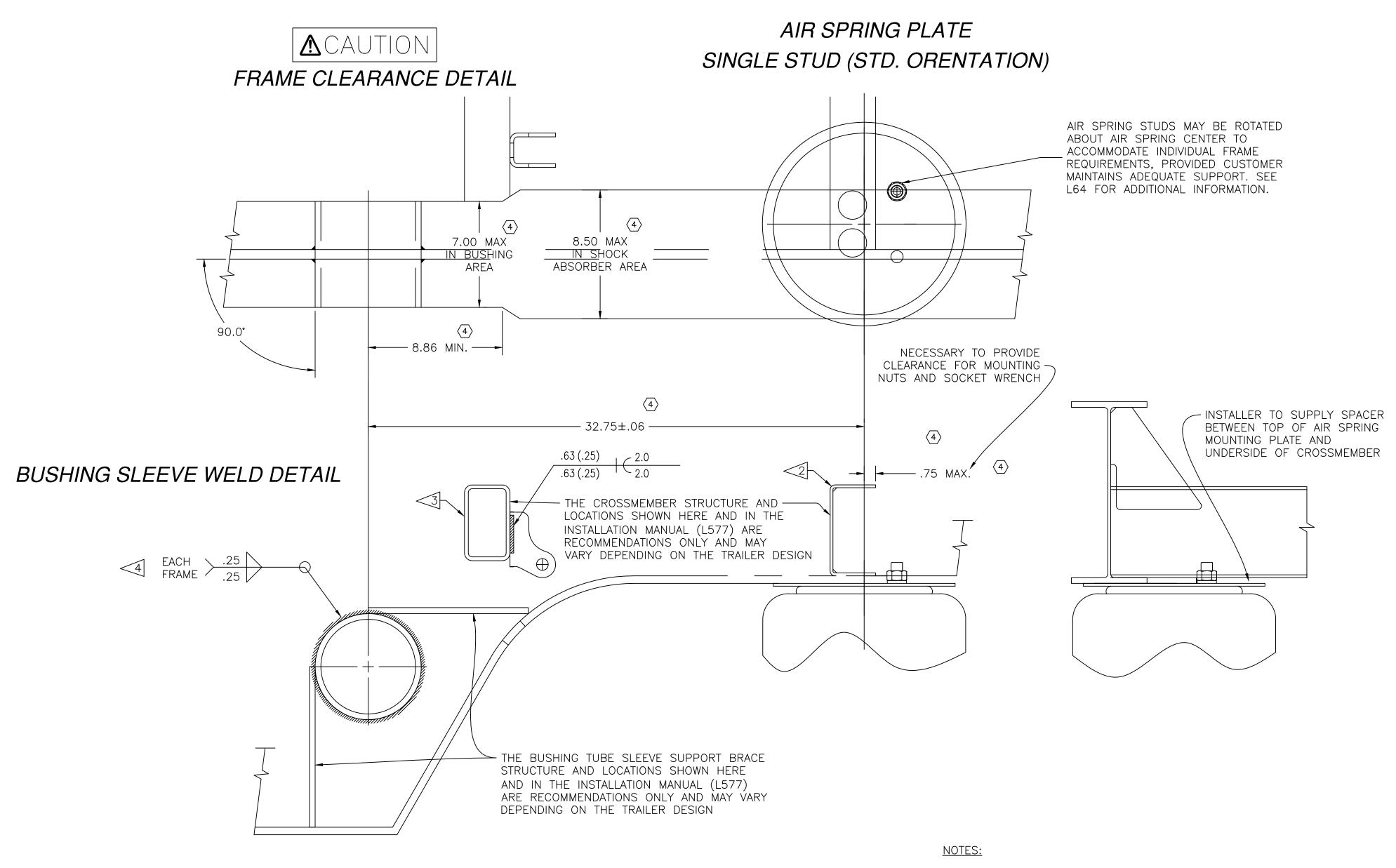
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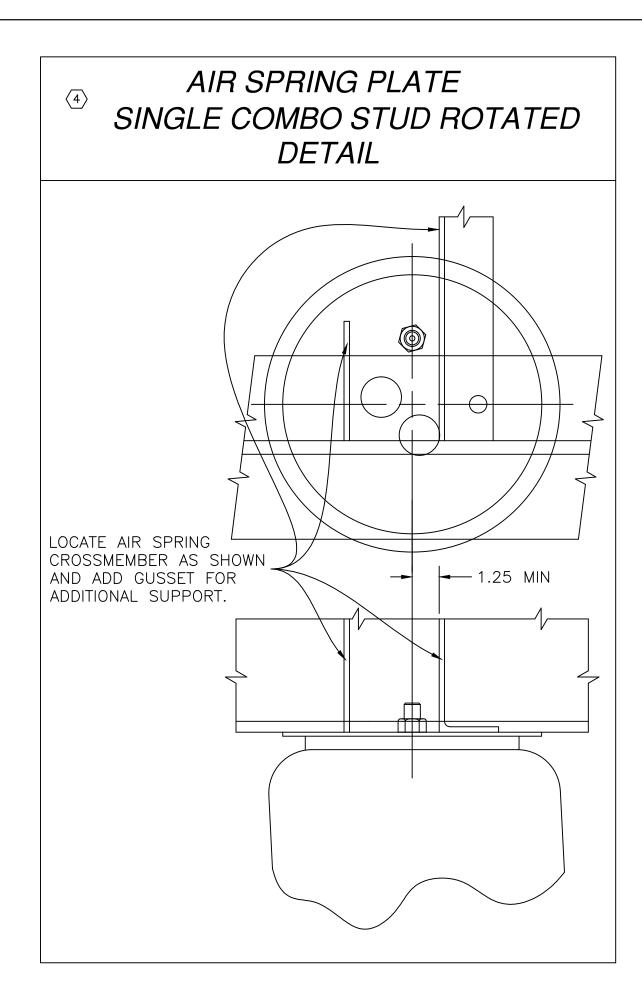
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TRAILER COMMERCIAL VEHICLE SYSTEMS 2070 INDUSTRIAL PLACE S.E., CANTON, OH 44707-2600 U.S.A.



SUGGESTED ATTACHMENT DETAIL



- 1. "IIIII PATTERN DENOTES WELD PLACEMENT
- CROSSMEMBER AND/OR GUSSETS MUST ADEQUATELY SUPPORT UPPER AIR SPRING PLATE. 20,000 LBS. CAN BE EXERTED THROUGH AIR SPRING BUMPER

CROSSMEMBERS AND/OR GUSSET MUST ADEQUATELY SUPPORT SHOCK ABSORBER BRACKETS. LOADS OF UP TO 8,000 LB CAN BE EXERTED THOUGH EACH SHOCK ABSORBER.

4. NOTICÉ: THE BUSHING TUBE SLEEVE MUST NOT CONTAIN A TRI-FUNCTIONAL BUSHING AT THIS TIME.

CAUTION: ALLOW ADEQUATE COOLING BETWEEN WELDS TO PREVENT EXCESSIVE HEATING OF THE

TRI-FUNCTIONAL® BUSHING. 6. SEE L64 TRAILER SUSPENSION SYSTEMS WELDING PROCEDURES FOR ADDITIONAL INFORMATION ON BUSHING TUBE ASSEMBLY, CROSS MEMBER, UPPER SHOCK BRACKET AND AIR SPRING MOUNT WELDING PROCEDURES.

ACAUTION

CLEARANCE SPECIFICATIONS:

- a) 1.0 INCH MINIMUM REQUIRED BETWEEN TOP OF THE 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.
- d) ALLOW 1.5 INCHES AROUND FORWARD SECTION OF BEAM ASSEMBLY FOR SUSPENSION MOVEMENT.

PRODUCTION .250=1.00 D 3 OF 3

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HT250YS SUSPENSION D - 31943INSTALLATION

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BUSHING TUBE WELD DETAIL

VOID ORIENTATION

(VERTICAL)

.25 .50 BOTH SIDES, 4 .25 .50 WELDS EVENLY

NON-VOID ORIENTATION (HORIZONTAL)