

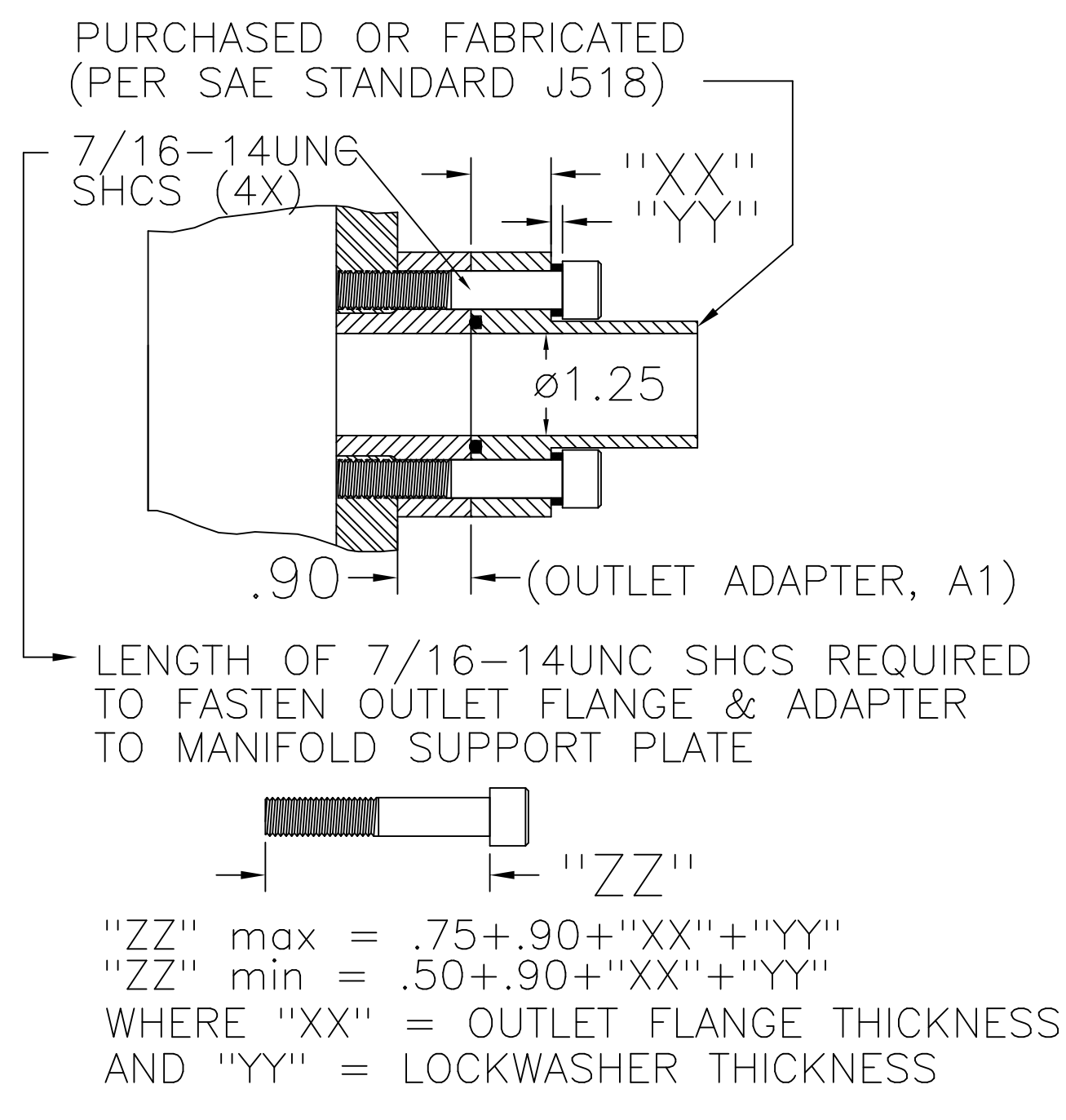
REFERENCE DIMS
PER SAE J518

SAE FLANGE

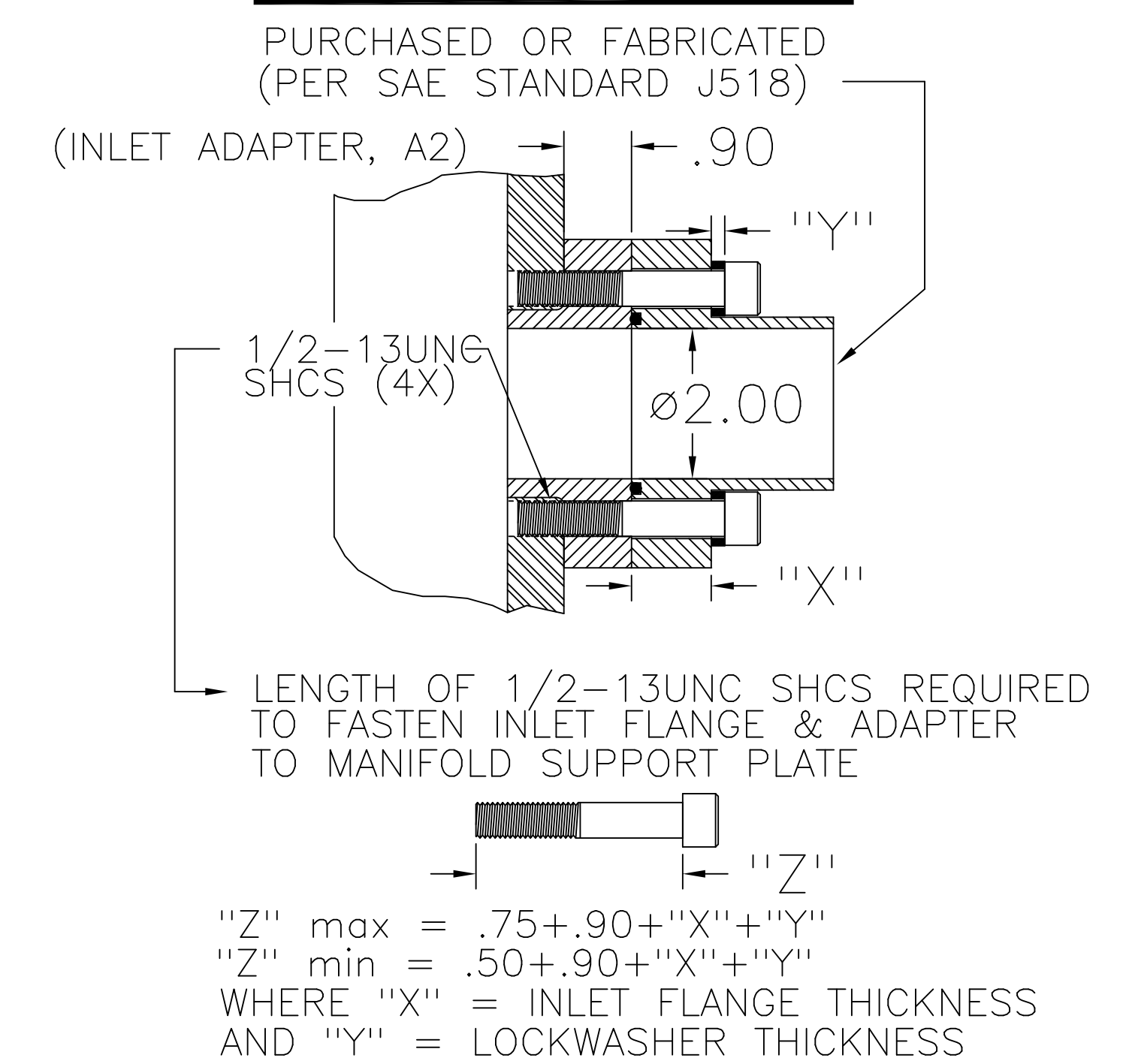
NOTES:

- 1) ALL DIMENSIONS ARE IN INCHES.
- 2) A1 = ADAPTER TO SAE FLANGE FOR PUMP OUTLET.
- 3) A2 = ADAPTER TO SAE FLANGE FOR PUMP INLET.
- 4) TO DETERMINE BOLT LENGTHS REQUIRED TO CLAMP ADAPTERS A1 AND A2 TO THE MANIFOLD SUPPORT PLATE, SEE FIGURES AT RIGHT. EITHER A FOUR BOLT SPLIT FLANGED CONNECTION, OR A SINGLE PIECE FLANGED CONNECTION, WITH O-RING SEAL MUST BE USED. SAE STANDARD J518 FOR HYDRAULIC FLANGED TUBE, PIPE, AND HOSE CONNECTIONS SHOULD BE FOLLOWED WHEN SELECTING YOUR FLANGE HARDWARE.
- 5) FOR NPT OUTLET AND INLET CONNECTIONS, ADAPTERS A1 AND A2 ARE TAPPED WITH 1-1/4" AND 2" THREADS RESPECTIVELY. ALSO, THE FOUR THRU-HOLES IN EACH ADAPTER FLANGE ARE COUNTERBORED TO ACCEPT 7/16"-14UNC SHCS'S AND 1/2"-13UNC SHCS'S RESPECTIVELY. O-RINGS ARE USED UNDER THE HEADS OF THE SCREWS, AS WASHERS BETWEEN THE SCREW HEAD AND PLASTIC ADAPTER. ALL REQUIRED SCREWS AND O-RINGS ARE INCLUDED WITH THE PUMP.

OUTLET FLANGE



INLET FLANGE



NOTES:
1. DRAWING PROVIDED TO HANSEN-RESHENOV FOR SPECIFICATIONS MANUAL.

UNLESS OTHERWISE SPECIFIED		TOL UNLESS NOTED		DWN 12-04-98 JJH		MAT'L N/A	
- ALL DIMENSIONS ARE IN INCHES.		.X = ± .020		CHK'D TLS		WANNER ENGINEERING INC	
- DRAWING MAY NOT BE TO SCALE		.XX = ± .010		APP'D 12-24-98 JJH		1204 CHESTNUT AVE. MPLS, MN 55403	
- ALL DIMENSIONS APPLY AFTER PLATING, COATING AND HEAT TREATING, BUT BEFORE PAINTING.		.XXX = ± .005		USED ON X X		TITLE	
- REMOVE ALL BURRS, BREAK ALL SHARP EDGES AND CORNERS		ANGLES = ± .50°		NEXT ASSY X X		D35 DIMENSIONAL/SAE	
PROPRIETARY STATEMENT		FINISH: 125 RMS		SHEET 1 OF 1		DWG NO	
This document contains confidential and proprietary information and is not to be reproduced or the information contained therein disclosed to others without consent, in writing, from WANNER ENGINEERING INC.		SCALE 2:1		FORM DBLK		D35-SAE-NMSD A	