ITEM NO.	DESCRIPTION	QTY	MATERIAL	UNIT WT.	PART NO.	SIZE		WT.
1	LOAD CELL	1	SS 304		AS SPECIFIED	136-20.0RB	25.00 SQ.IN.	
● 2	BASE PLATE	1	A/R		A-34651-2			
● 3	LOAD PLATE	1	A/R		A-72316			
4	HEX HD SCREW	4	SS 304		0.375-16 UNC X 1.00			
5	WASHER MS15795	4	SS 304		0.406 ID X 0.812 OD	98019A199	McMASTER-CARR	
6	CLAMP	4	SS 304		A-34653-1	0.25 X 1.00 X 1.50		
7								

● SUPPLIED OPTIONALLY

8.00

4.00

0.625 DIA

7.75 CELL BASE

4 5 6

1

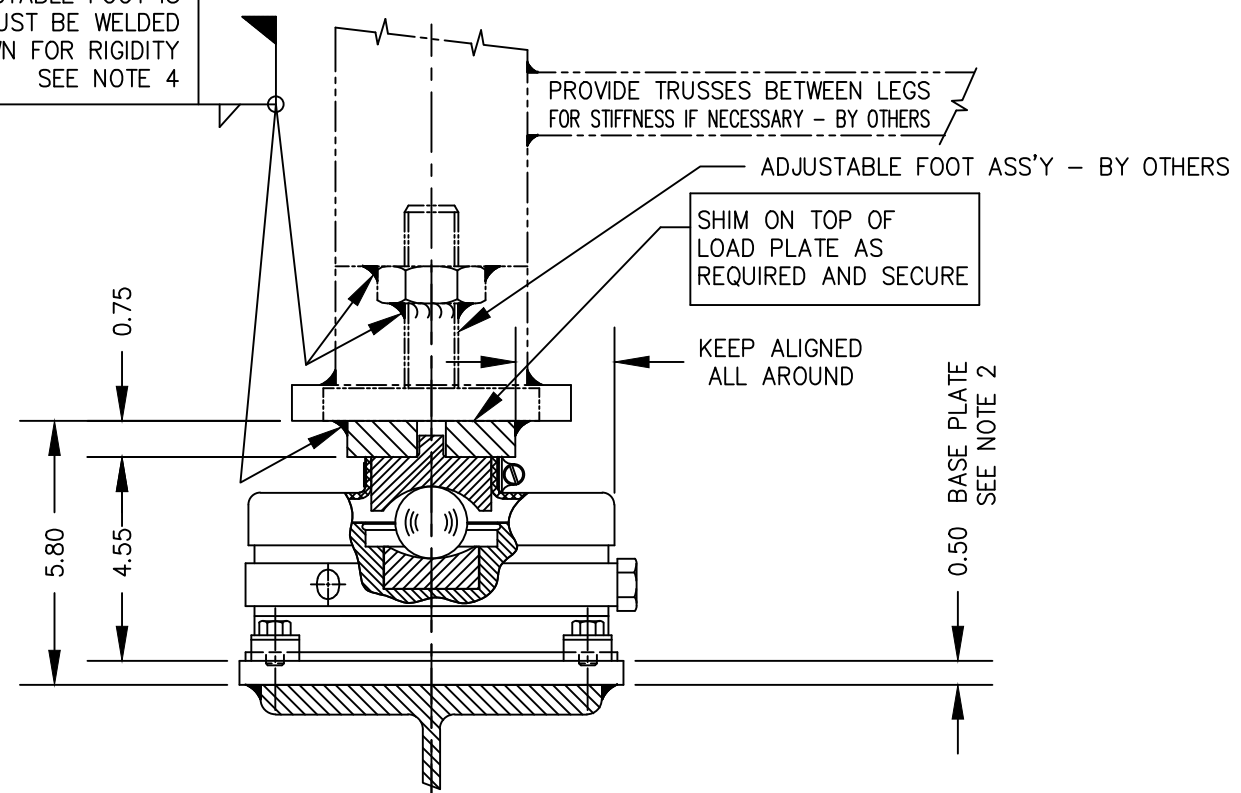EITHER FITTING MAY BE USED FOR PRESSURE OR VENT

8.00

4.00

3

8.50 DIA

2

0.375-16 UNC 4 HOLES

1. REMOVE NYLON SCREW.

2. FILL LOAD CELL WITH FLUID TO A GAGING OF:

0.025 - 0.030

(GAP CLOSES WHEN FILLING WITH FLUID)

IF ADJUSTABLE FOOT IS USED IT MUST BE WELDED AS SHOWN FOR RIGIDITY SEE NOTE 4

PROVIDE TRUSSES BETWEEN LEGS FOR STIFFNESS IF NECESSARY – BY OTHERS

ADJUSTABLE FOOT ASS'Y – BY OTHERS

SHIM ON TOP OF LOAD PLATE AS REQUIRED AND SECURE

KEEP ALIGNED ALL AROUND

0.75

5.80

4.55

0.50 BASE PLATE SEE NOTE 2

NOTES:

1. CLAMP LOAD CELL TO BASE PLATE. PLACE LOAD PLATE AND SHIMS ON LOAD CELL. LOWER STRUCTURE ONTO LOAD PLATE AND WELD LOAD PLATE TO STRUCTURE. IF REQUIRED, LOOSEN CLAMP BOLTS AND REALIGN CELL. RETIGHTEN CLAMP BOLTS.

2. TOP OF ALL BASE PLATES MUST BE FLAT OVER ENTIRE CELL AREA, LEVEL, AND ON A COMMON PLANE TO MINIMIZE SHIMMING.

3. INSTALL LOAD CELL WITH FITTINGS ACCESSIBLE FOR PURGING AND MAINTENANCE.

4. LEG MUST BE WELDED OR BOLTED RIGIDLY TO LOAD PLATE.

DO NOT USE SWIVEL LEVELING FEET

5. ITEMS SUPPLIED BY EWSCO ARE LISTED IN THE B.O.M.

NTEP CERT NO. 88-239-PA1

K	ITEM 2 WAS A34651 & ITEM 6 WAS A34653	12/17/14	CEM
J	NOTE 5 & "BY OTHERS" NOTES ADDED	3/13/14	CEM
H	A-72316 WAS A-34652, BP WAS 5/8"	10/16/09	BMW
G	NOTE 5, ADJUSTABLE FOOT OPTION ADDED	6/3/04	CBM
F	0.375-16 UNC X 1.00 WAS X 0.75	2/12/04	CBM
E	ITEM 7 SHIM REMOVED, NOTE ADDED	3/13/02	CBM
D	ITEM 1,3 AND 4 REVISED	6/21/99	JDS
C	ITEM 1 WAS 136-25.0	4/28/97	JDS
B	4.80 WAS 4.50	7/31/96	JDS
A	CAD REDRAWN	11/28/95	JDS
LTR	REVISION	DATE	BY

DEBURR ALL CORNERS AND EDGES

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

MACHINING   FABRICATION
.XX = ± .01   ± .13
.XXX = ± .005

EMERY WINSLOW SCALE COMPANY
SEYMOUR, CT   U.S.A   TERRE HAUTE, IN.

INSTALLATION OF SELF CHECKING HYDROSTATIC COMPRESSION LOAD CELL ON STEEL MODEL 136-20RB 20,000 lb CAPACITY

DRAWN	JDS	DATE	11/15/95
CHECKED		DATE	
ACAD FILENAME:	AC00339		
LAYERS USED:	25,30		

SCALE	FIRST USED ON	DRAWING NO.	REV.
1:4		B-34650	K