

LC9805

REVISIONS

R.LUCAS 2/20/97 02	REVISED NOTE #4 IN DETAIL "A", CHANGED SPEC. OR STD. FOR ITEMS 5, 6, 8, 10, 20 REVISED NOTES #16 & #17. A.F. 2/20/97
M.TURANCHIK 11/6/02 3	
CHG'D. DIM. OF ITEM 6 NOTES 1, 8, & 9, ADDED NOTES 3b, 5, & 19 C.W. 11/6/02	
D. MILES 4/19/06 4	
REMOVED REGULATOR VENT DETAIL. ADDED REFERENCE TO NEW VENT DETAIL DRAWING. REVISED NOTES & BILL OF MATERIAL	
RAJ. 5/1/06	
K. LOOK 5/23/07 5	
CHANGED TITLE. REVISED TO INCLUDE 3" AND 4" EZR REGULATORS. REVISED NOTES AND TABLES.	
P.L.S. 5/23/07	
G. LUDWIG 3/31/11 6	
ADDED AAT-90 175# AND AAT-57 175# TO TABLE 2. CORRECTED "F" DIM. IN TABLE 3. REVISED ITEM 4 DESCRIPTION.	
D.R.J. 3/30/11	
G. LUDWIG 5/22/12 7	
ADDED NOTE 21.	
H. D. 4/23/12	

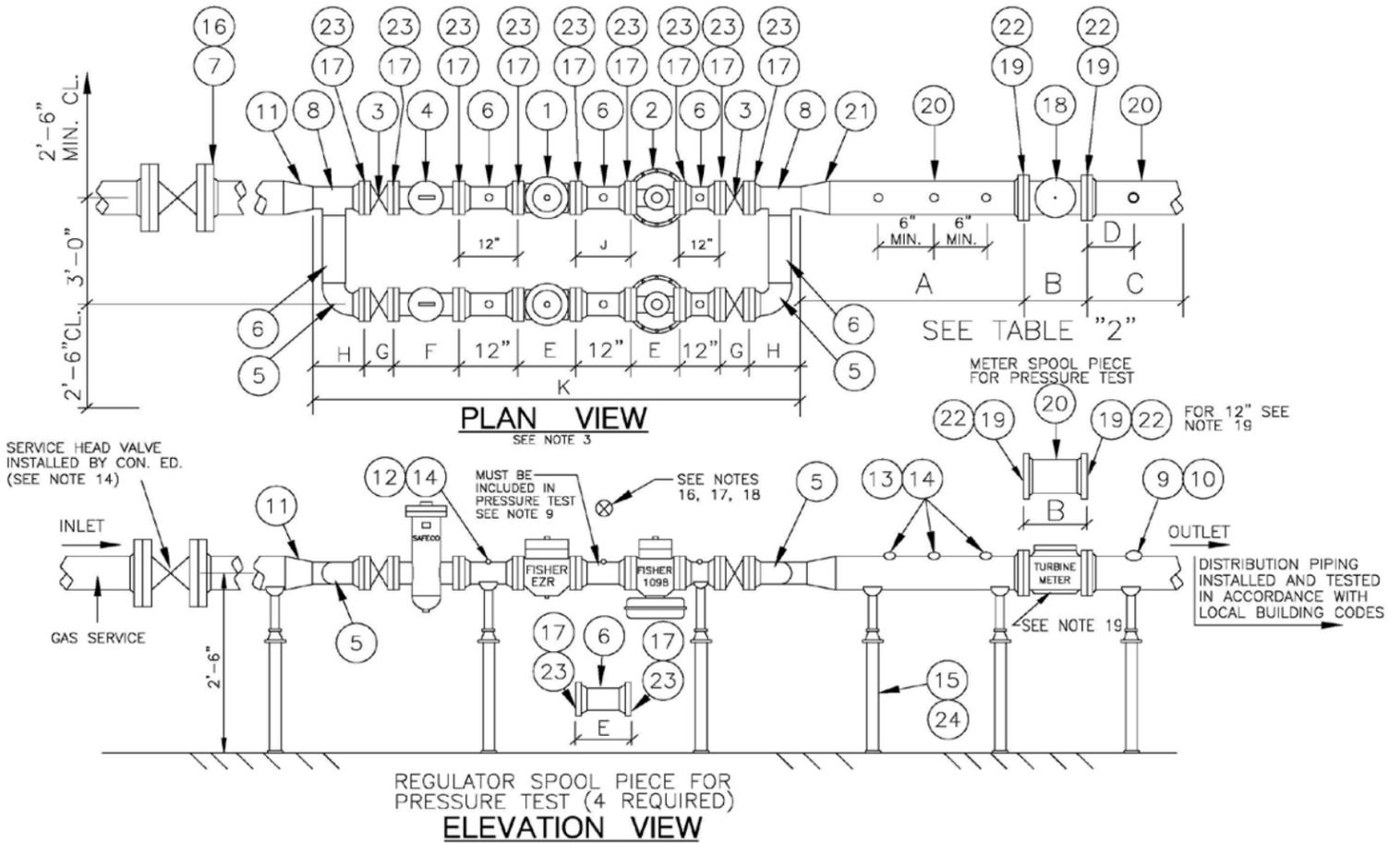


TABLE 1 - DIMENSION "V", "R", "E", "M", "B" (SEE NOTES 6 & 7)

SIZE OF HEAD OF SERVICE VALVE FLANGE & PIPING	V
SIZE OF REGULATOR FLANGE & PIPING	R
SIZE OF REGULATOR FLANGE TO FLANGE	E
SIZE OF METER FLANGE & PIPING	M
SIZE OF METER FLANGE TO FLANGE	B

TABLE 2 - METERING DIMENSIONS "M", "A", "B", "C", "D"

METER	AAT-35 175# AAT-57 175# 6GTS 175#	AAT-60 175# AAT-90 175# 8GTS 175#	AAT-140 175#	12GTS 175#
M	6"	8"	12"	12"
A	60"	80"	120"	120"
B	16"	21"	30"	29"
C	30"	40"	60"	60"
D	12"	18"	24"	24"

TABLE 3 - REGULATOR DIMENSIONS "R", "E", "F", "G", "H", "J", "K"

REGULATORS	2"-EZR & 2' 1098	3"-EZR & 3' 1098	4"-EZR & 4' 1098
R	2"	3"	4"
E	10.0"	11.75"	13.88"
F	11"	16"	18"
G	7"	8"	9"
H	7"	9"	15.125"
J	11"	11"	13.75"
K	8'-2"	9'-1.5"	10'-10"

BILL OF MATERIALS

ITEM	DESCRIPTION	SPEC. OR STD.	QUANTITY
1	R" FISHER EZR REGULATOR, 150 LB. SUPPLIED BY CON ED		2
2	R" FISHER 1098 REGULATOR, 150 LB. SUPPLIED BY CON ED		2
3	R" 150 LB. BALL VALVE (BALL-O-MAX, BALON-NO PLUG VALVES)		4
4	R" GAS FILTER, SUPPLIED BY CON ED		2
5	R" SHORT RADIUS 90° ELBOW, SCH. 40	ANSI B16.28	2
6	R" STEEL PIPE, SCH. 40	ASTM - A106 GRADE "B"	AS REQ'D.
7	V" STEEL FLANGE, 150 LB., FLAT OR RAISED FACE (TO MATCH VALVE FLANGE, "V")	ANSI B16.5	1
8	R" x R" x R" STEEL TEE SCH. 40	ANSI B16.9	2
9	M" x 1" THREADOLET (SEE NOTE 5)	ANSI B16.9	1
10	1" STEEL SQUARE HEAD PLUG		1
11	V" x R" STEEL REDUCER	ANSI B16.9	1
12	R" x 1/2" THREADOLET		6
13	M" x 1/2" THREADOLET		3
14	1/2" STEEL SQUARE HEAD PLUG	ANSI B16.14	9
15	PIPE SUPPORT	EO-7043	AS REQ'D.
16	FLANGE INSULATING KIT (TO MATCH VALVE FLANGE, "V")		1
17	R" STEEL FLANGE, RAISED FACE, 150 LB.		24
18	M" TURBINE METER		1
19	M" STEEL FLANGE, FLAT FACE, 150 LB. (FOR 12" SEE NOTE 19)	ANSI B16.5	4
20	M" STEEL PIPE, SCH. 40	ASTM - A106 GRADE "B"	AS REQ'D.
21	M" x R" STEEL REDUCER	ANSI B16.9	1
22	M" x 1/16" 150 LB. FULL FACE GASKET (SEE NOTES 4 & 19)		2
23	R" x 1/16" 150 LB. RING GASKET (SEE NOTE 4)		26
24	BAKELITE, NEOPRENE, OR EQUIV. INSULATING MAT'L (SEE NOTE 8)		AS REQ'D.

NOTES:

- ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY THE CUSTOMER EXCEPT FOR THE FILTERS AND REGULATORS WHICH ARE FURNISHED BY THE COMPANY AND INSTALLED BY THE CUSTOMER, AND THE METER WHICH IS FURNISHED AND INSTALLED BY THE COMPANY.
- DO NOT INCLUDE REGULATORS OR METER IN PRESSURE TEST. USE SPOOL PIECES SHOWN ON DRAWING.
- IF THE INSTALLATION CANNOT BE MADE AS SHOWN, CONTACT GAS MEASUREMENT.
- ALL GASKET MATERIAL SHALL BE GARLOCK 3000 (1/16" THICK).
- ALL THREADOLETS MUST BE FULL BORE, FILLET WELDED AND PLUGGED. DO NOT WELD WITH METERS INSTALLED.
- THE LETTER V REPRESENTS THE SERVICE HEAD VALVE FLANGE SIZE, THE LETTER R REPRESENTS THE REGULATOR FLANGE SIZE, THE LETTER E REPRESENTS THE REGULATOR FLANGE TO FLANGE, THE LETTER M REPRESENTS THE REGULATOR FLANGE TO FLANGE DIMENSION, AND THE LETTER B REPRESENTS THE METER FLANGE TO FLANGE DIMENSION. SEE TABLE 1 FOR EXACT SIZES. IF TABLE 1 IS NOT COMPLETED, CONTACT THE ASSIGNED ENERGY SERVICE REPRESENTATIVE.
- TABLE 1 MUST BE COMPLETED BY ASSIGNED ENERGY SERVICE REPRESENTATIVE BEFORE PROVIDING TO CONTRACTOR.
- INSULATING MATERIAL MUST BE INSTALLED BETWEEN THE PIPE SUPPORTS AND THE PIPE, SO THAT THE PIPE NEVER MAKES CONTACT WITH THE PIPE SUPPORT.
- A PRESSURE TEST MUST BE CONDUCTED AT 200 PSIG.
- ALL WELDED PIPING MUST BE BUTT WELDED. ALL BUTT WELDS SHALL BE RADIOGRAPHED.
- PIPE SUPPORT OR ANY BRACING SHALL NOT BE WELDED TO METER/DISTRIBUTION PIPING.
- IF A DOMESTIC REGULATOR METER SET IS REQUIRED, IT SHALL BE INSTALLED IMMEDIATELY AFTER SERVICE HEAD VALVE WITH AN ISOLATION VALVE.
- REFER TO "REQUIREMENTS FOR GAS SERVICE INSTALLATION" BOOK FOR FURTHER INFORMATION.
- FOR WESTCHESTER, CUSTOMER'S CONTRACTOR SHALL INSTALL SERVICE HEAD VALVE WHERE APPLICABLE.
- ALL OUTDOOR PIPING SHALL BE PAINTED WITH SUITABLE NON-LEAD OUTDOOR PAINT FOR USE ON METAL SURFACES.
- REFER TO EO-17118 - "REGULATOR VENT INSTALLATION" FOR VENT PIPE INSTALLATION, CAPS AND TERMINUS LOCATION REQUIREMENTS. SINCE THESE REGULATORS DO NOT UTILIZE FULL CAPACITY RELIEF, VENT PIPING SHALL BE 2" IN DIAMETER.
- EACH REGULATOR SHALL BE SEPARATELY VENTED.
- FOR INSIDE REGULATOR INSTALLATIONS, THE CUSTOMER SHALL INSTALL 2" VENT PIPE FROM OUTDOOR VENT CAP ALONG INSIDE WALL TO A POINT WITHIN 2' OF EACH REGULATOR RUN. COMPANY TO MAKE FINAL CONNECTION TO VENT LINE.
- 12" TURBINE METERS HAVE RAISED FACED FLANGES. WHEN INSTALLING A 12" TURBINE METER, USE 12" 150 LB. RAISED FACE STEEL FLANGES AND 12" x 1/16" 150 LB. RING GASKETS (ITEM 23).
- FOR ANY DOWNSTREAM PIPING BELOW GRADE REFER TO SPEC G-8205.
- OUTDOOR METER SETS SHALL BE PROTECTED BY A 6 FOOT HIGH LOCKABLE FENCE, CHAIN-LINK OR EQUIVALENT. THE FENCE SHALL BE EQUIPPED WITH A DOUBLE HASP LOCK TO ALLOW ACCESS BY CON-EDISON AND THE CUSTOMER.

INSTALLATION OF PARALLEL FISHER 2", 3", & 4" EZR AND 1098 REGULATORS WITH TURBINE METER INDOORS AND OUTDOORS 50,000 CFH AND LARGER

CONSOLIDATED EDISON COMPANY OF N.Y., INC.  
GAS ENGINEERING DEPT.

DATE 11/15/96  
LAST REV. 5/22/12

DWG. NO. 308657

REV. 7

Note: For best print results, print 11" x 17".