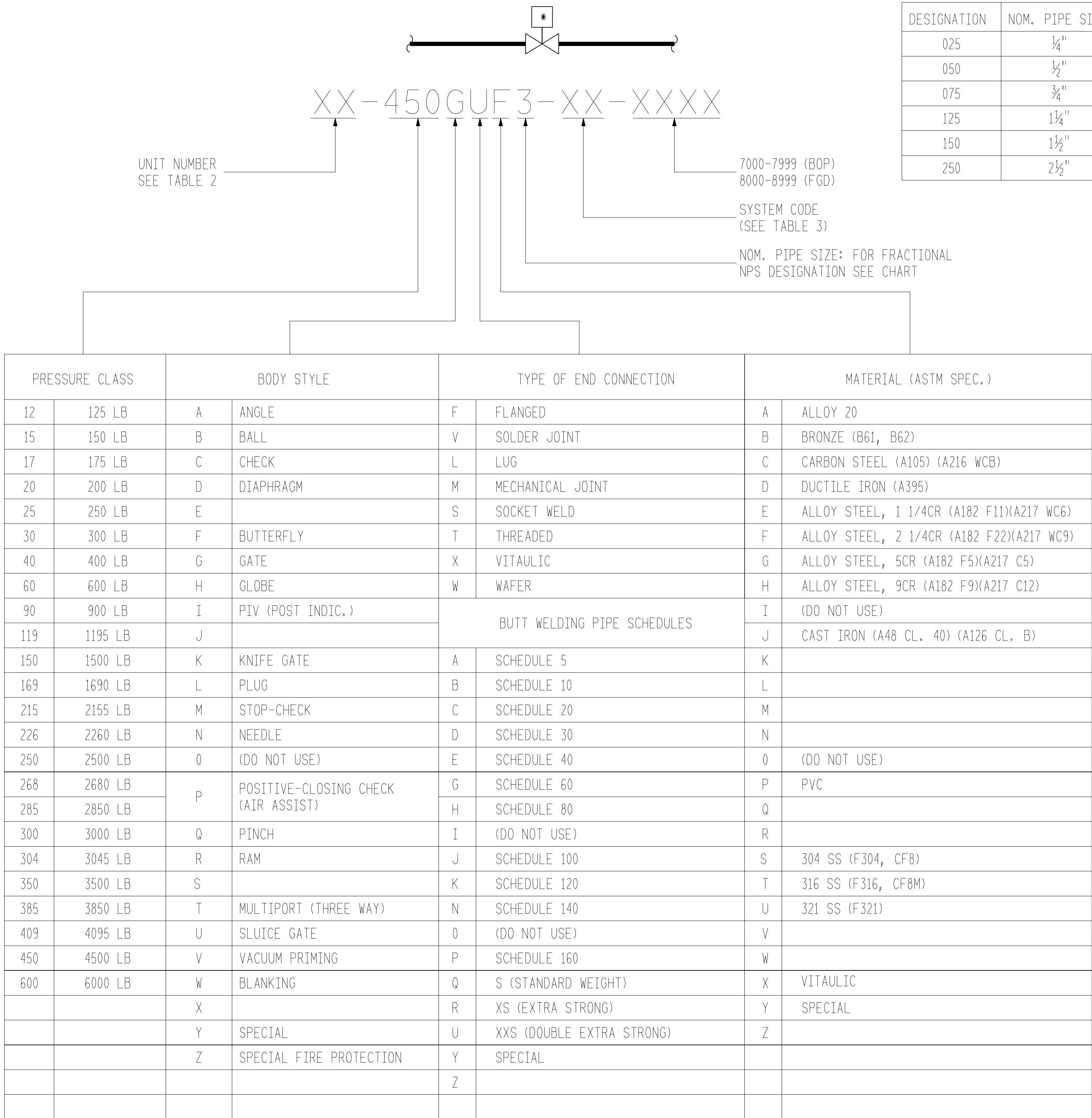


1. DO NOT SHOW ON DRAWINGS.
2. ONLY SHOWN ON DRAWINGS WHERE EQUIPMENT IS SHOWN FOR MULTIPLE UNITS. DRAWINGS SHOULD NOTE THAT EQUIPMENT/COMPONENTS ARE FOR A SPECIFIC UNIT.
3. REFRAIN FROM USING THIS FIELD AS INSTRUMENT DELINEATOR. THIS IS BECAUSE IF TWO OR MORE TRANSMITTERS WERE USED FOR DIFFERENT FUNCTIONS, THE TRANSMITTER IDENTIFICATION WOULD BE REDUNDANT I.e. PC-XXXX AND PA-XXXX WOULD BOTH HAVE TRANSMITTER TAGS AS PT-XXXX.
4. F1: 7 BOP SYSTEM; 8 FGD SYSTEM
F2: 0 = COMMON TRAIN; 1 = TRAIN 1 OR A; 2 = TRAIN 2 ; 9 = TRAIN 9.
F3: 0-9 WHERE IT IS BENEFICIAL FOR CLARIFICATION, THIS DIGIT CAN BE USED TO IDENTIFY SUB-TRAINS.
F4: 0-9.
5. EVERY LOOP SHALL HAVE A UNIQUE NUMBER ASSIGNED. AA,BB,CC,D,F1-F4 AND G MAY BE USED AS DELINEATORS. AVOID USING E AS A DELINEATOR. G IS OPTIONAL. IT IS ADDED WHEN THERE ARE MULTIPLE INSTRUMENTS INSTALLED IN THE PROCESS AT THE SAME LOCATION, MEASURING THE SAME PARAMETER FOR THE SAME PURPOSE. G IS NOT INTENDED TO DELINEATE BETWEEN SIMILAR INSTRUMENTS INSTALLED IN PARALLEL PROCESS LINES. WHEN AN INSTRUMENT IS USED TO PROVIDE A SIGNAL THAT IS USED IN THE CONTROL VALVE, THE VALVE LOOP NUMBER SHALL BE ALSO ASSIGNED TO THE INSTRUMENT WHENEVER POSSIBLE.

NOTES:

1. THE PROCESS AND MEASURED VARIABLE CODE SHALL ALWAYS DESIGNATE THE PROCESS VARIABLE AND NOT THE ACTUAL MEASURED VARIABLE. (E.G. FLOW SHALL ALWAYS BE DESIGNATED WITH THE PROCESS AND MEASURED VARIABLE CODE "F", EVEN WHEN THE ACTUAL PROCESS MEASUREMENT IS DIFFERENTIAL PRESSURE).
2. INSTRUMENTS WITH MULTIPLE FUNCTIONS SHALL BE IDENTIFIED USING THE PRIMARY FUNCTION CODE PER THE FUNCTION HIERARCHY COLUMN OF TABLE 10. AS AN EXAMPLE, AN INSTRUMENT USED FOR CONTROL, ALARMING AND RECORDING, SHALL USE THE INSTRUMENT FUNCTION "C".
3. PROCESS AND MEASURED VARIABLE CODE "A" COVERS ALL ANALYSIS OR SAMPLES THAT ARE NOT COVERED BY ANOTHER PROCESS AND MEASURED VARIABLE (E.G. C FOR CONDUCTIVITY). SOME EXAMPLES INCLUDE pH, SO₂, NO_x, CO₂, CHLORINE, CHLORIDES, SODIUM, AND OXYGEN.
4. PROCESS AND MEASURED VARIABLE CODE "U" COVERS INSTRUMENTS, WHICH MONITOR MULTIPLE PROCESS VARIABLES. (E.G. USE PROCESS AND MEASURED VARIABLE CODE "U" IF THE INSTRUMENT MEASURES BOTH FLOW AND DENSITY)
5. A USER'S CHOICE LETTER IS INTENDED TO COVER UNLISTED MEANINGS THAT WILL BE USED REPETITIVELY IN A PARTICULAR PROJECT.
6. INSTRUMENTATION SHALL BE IDENTIFIED ON PROCESS FLOW DIAGRAMS BY A FUNCTIONAL IDENTIFIER. THE ACTUAL INSTRUMENTATION SHALL BE IDENTIFIED BY THE FUNCTION THE INSTRUMENT PERFORMS IN THE CONTROL LOOP. AS AN EXAMPLE, THE FLOW DIAGRAM WILL IDENTIFY A TEMPERATURE CONTROL LOOP ON THE FEEDWATER SYSTEM AS FWTC-7001. THIS CONTROL LOOP IS COMPOSED OF A TEMPERATURE WELL (FTW-7001), TEMPERATURE ELEMENT (FWE-7001), AND A TEMPERATURE TRANSMITTER (FTWT-7001).

MANUAL VALVES: (STANDARD, SHOWN WITH OPTIONAL MANUAL OPERATOR. FOR OPERATOR DESIGNATION SEE POWER ACTUATED VALVE.)
DAMPER IDENTIFICATION NOTE 4 DWG. NO. 2-517000A. A UNIQUE NUMBER SHALL BE ASSIGNED TO EACH VALVE.)



DESIGNATION	NOM. PIPE SIZE
025	$\frac{1}{4}$ "
050	$\frac{1}{2}$ "
075	$\frac{3}{4}$ "
125	1 $\frac{1}{4}$ "
150	1 $\frac{1}{2}$ "
250	2 $\frac{1}{2}$ "

ORIFICE PLATE W/FLANGE TAPS

REVISIONS

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