



**GENERAL NOTES**

1. UNDERGROUND CARBON STEEL PIPE TO BE CATHODICALLY PROTECTED PER ASME B31.8, WRAPPED AND COATED PER SPECIFICATION 400520-BURIED PIPING.
2. BURIED PIPE SHALL BE INSTALLED WITH NO LESS THAN 30 INCHES OF COVER. WHERE THE PIPE PASSES UNDER DRAINAGE DITCHES AT PUBLIC ROADS AND RAILROAD CROSSINGS, COVER SHALL BE 36 INCHES MINIMUM, WITH CASINGS AS REQUIRED PER ASME B31.8 AND API RECOMMENDED PRACTICE 1102.
3. RELIEF VALVE DISCHARGE TO BE ROUTED TO A LOCATION SUCH THAT IT MAY DISCHARGE INTO ATMOSPHERE WITHOUT UNDUE HAZARD. DISCHARGE SHALL BE ORIENTED STRAIGHT UP, AT A MINIMUM 10 FOOT ELEVATION ABOVE GROUND.
4. PIPE LINE SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED PER ASME B31.8, CFR49 PART 192, AND API RECOMMENDED PRACTICE 1102.
5. PIPE LINE SHALL CONFORM TO LOCATION CLASS 3 REQUIREMENTS, PER ASME B31.8.
6. WHERE POSSIBLE, ANCHORAGE SHALL BE PROVIDED AT BENDS. WHERE THE PIPELINE CROSSES AREAS NORMALLY UNDERWATER OR SUBJECT TO FLOODING, SUCH AS WETLANDS OR SWAMPS, SUFFICIENT ANCHORAGE SHALL BE APPLIED TO PREVENT FLOTATION.

**REFERENCE DRAWINGS**

1. ANNOTATIONS, ABBREVIATIONS, ASSOCIATIONS PROCESS AND INSTRUMENTATION DIAGRAM MECHANICAL & INSTRUMENTATION SYMBOLOLOGY D014200-AAAM01001 SH01 AND SH02
2. METSO NATURAL GAS TO BURNERS P0002066 M014200-BLRD00032 S01 R4



NO.	REVISION	DATE	DRWN	ESGD	CHKD	CHKD
2	ADDED VALVE AND VENTS (REMOVED HOLDS)	4/16/12	MSR	REB	PTO	AMC
1	GENERAL UPDATES (ISSUED WITH HOLDS)	1/19/12	TM	REB	PTO	AMC
0	ISSUED FOR CONSTRUCTION (ISSUED WITH HOLDS)					



ZACHRY ENGINEERING CORPORATION - 1515 ARAPAHOE STREET, TOWER 1, SUITE 800, DENVER, CO 80202-4256  
 AMARILLO, TX CHARLOTTE, NC HOUSTON, TX MINNEAPOLIS, MN OMAHA, NE SAN ANTONIO, TX

**GAINESVILLE RENEWABLE ENERGY CENTER**  
 FUEL GAS SUPPLY SYSTEM  
 PROCESS & INSTRUMENTATION DIAGRAM

DRAWN	CHECKED	APPROVED	DATE	SHEET	REV
T. MILLER	P. OMELIANCHUK	A. CASEY		01	2
D. P. S. S. S.					
DRAWING NUMBER: D014200-FGSM01001			DATE: 4-25-12		

