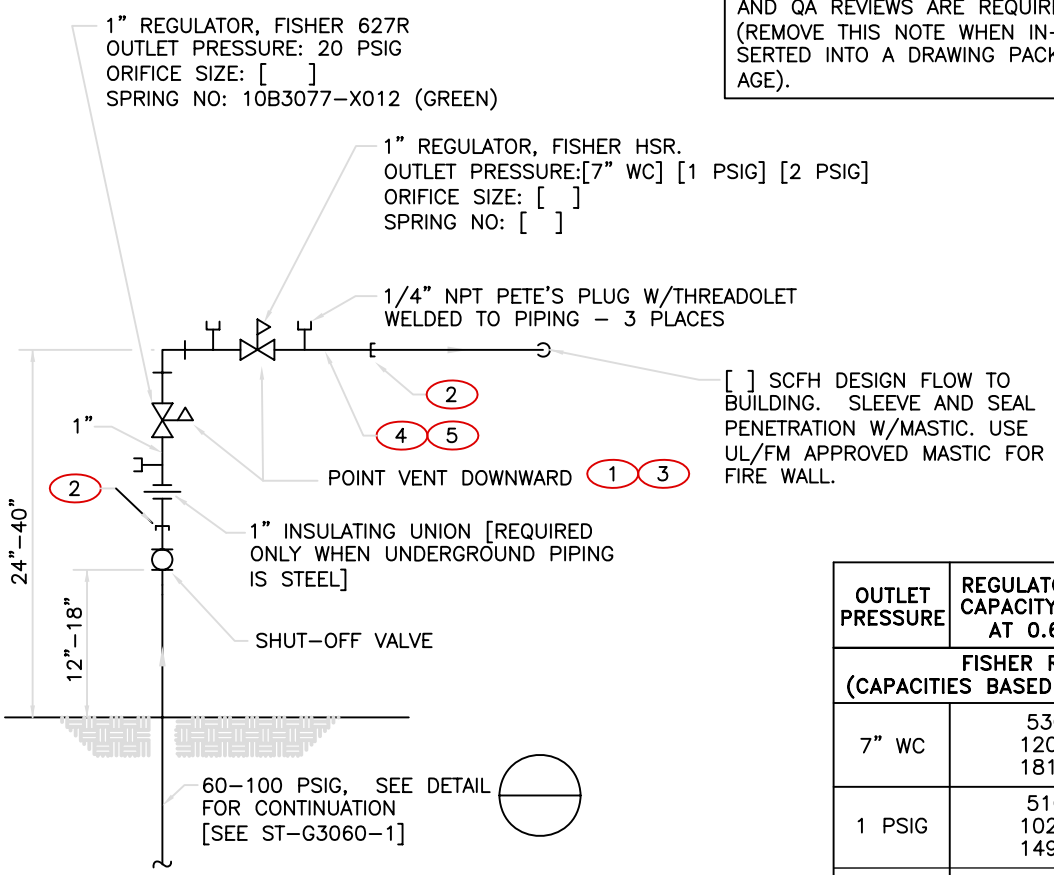
DRAWING DEVELOPED FOR ML–3/ ML–4 PROJECTS. FOR ML–1/ ML–2, ADDITIONAL REQUIREMENTS AND QA REVIEWS ARE REQUIRED. (REMOVE THIS NOTE WHEN INSERTED INTO A DRAWING PACKAGE).



GAS REGULATOR STATION DETAIL

SCALE: NONE

NOTES FOR DESIGNER:

(DO NOT INCLUDE ON CONSTRUCTION DRAWINGS)

1. SEE SHEET 5.

KEYED NOTES:

1. LANL'S SUPPORT SERVICES SUBCONTRACTOR (SSS) WILL FURNISH, INSTALL, AND ADJUST PRESSURE OF GAS REGULATORS.
2. CONTRACTOR SHALL TERMINATE PIPING WITH A THREADED CAP OR PLUG AND ALLOW SUFFICIENT HORIZONTAL SPACE, 5–10 FEET, BETWEEN TERMINATION POINTS FOR INSTALLATION OF REGULATOR STATION.
3. LOCATE REGULATORS NOT LESS THAN 10 FEET HORIZONTALLY FROM INTAKE AIR DEVICES (LOUVERS, FANS, ETC).
4. BOND ABOVE GROUND PIPING TO ELECTRICAL GROUNDING SYSTEM. BOND TO GAS PIPING AT SUITABLE LOCATION DOWNSTREAM OF LOW PRESSURE REGULATOR AND UPSTREAM OF GAS APPLIANCE SHUT–OFF VALVE. COMPLY WITH NEC.
5. BOND GAS PIPING LOCATED WITHIN 6 FEET OF A LIGHTNING PROTECTION CONDUCTOR TO THE CONDUCTOR PER NFPA 780. BOND TO GAS PIPING AT SUITABLE EXTERIOR LOCATION DOWN–STREAM OF LOW PRESSURE REGULATOR.

OUTLET PRESSURE	REGULATOR MAX. CAPACITY (SCFH) AT 0.6 S.G.	ORIFICE SIZE	SPRING NUMBER
FISHER REGULATOR HSR (CAPACITIES BASED ON 20 PSIG INLET PRESSURE)			
7" WC	530 1200 1810	1/8 3/16 1/4	T14399T0012 (YELLOW)
1 PSIG	510 1020 1490	1/8 3/16 1/4	T14402T0012 (PINK)
2 PSIG	410 740 1040	1/8 3/16 1/4	T14403T0012 (LT. BLUE)

FISHER REGULATOR 627R (CAPACITIES BASED ON 60 PSIG INLET PRESSURE)			
20 PSIG	640 1170 2630	3/32 1/8 3/16	10B3077–X012 (GREEN)

NO	DATE	CLASS REV	ADC	DESCRIPTION	DWN	DSGN	CHKD	SUB	APP
3	1–19–06	U	DY	REVISED TITLE BLOCK DATA, AND ADTS – ENGINEERING LOGO.	RP	MS	MS	EH	TO
2	9–27–04	U		FISHER REGUATOR HSR WAS S402 & REVISED TABLE ACCORDINGLY.	RP	JG	MS	EH	TO
1	8–23–02	U		GENERAL REVISION AND DWG. NO. WAS ST6500.	RP	JG	MS	EH	TO

ENGINEERING STANDARDS PROGRAM

ENGINEERING STANDARDS MANUAL

GAS REGULATOR STATION DETAIL
TWO STAGE, LOW FLOW

DRAWN R.PEARSON
DESIGN J.GONZALES
CHECKED M.SMITHOUR
DATE 6–28–99

BLDG X TA–X
SUBMITTED
DISCIPLINE POC: E. HOTH
APPROVED FOR RELEASE
STANDARDS MANAGER: TOBIN ORUCH

Los Alamos NATIONAL LABORATORY
PO Box 1663
Los Alamos, New Mexico 87545

SHEET 1 OF 5

CLASSIFICATION: U
REVIEWER: LARRY BAYS
DATE:

PROJECT ID CHAPTER 3
DRAWING NO ST–G3060–2
REV 3