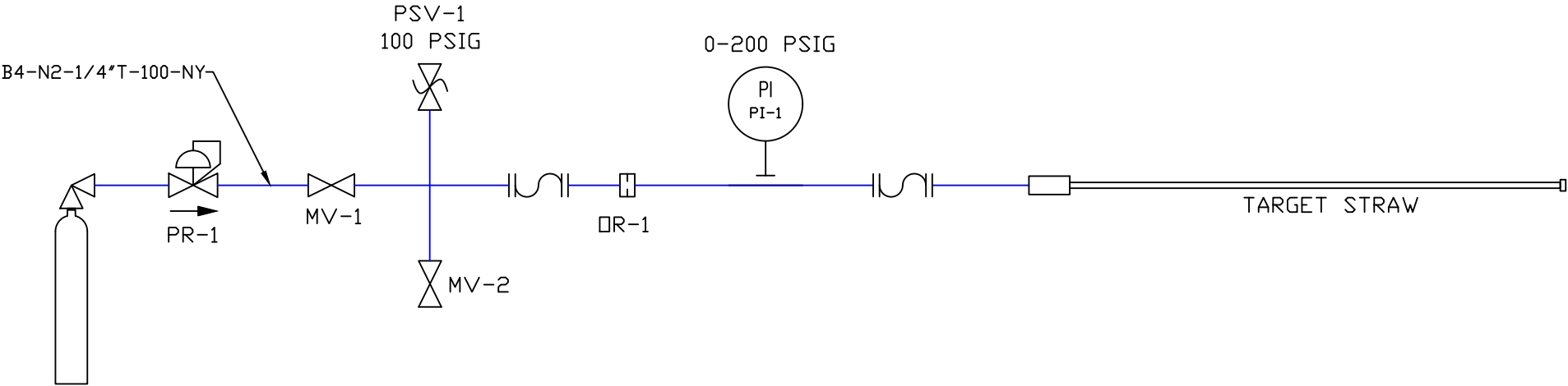
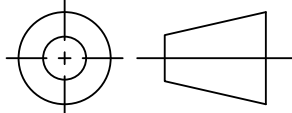


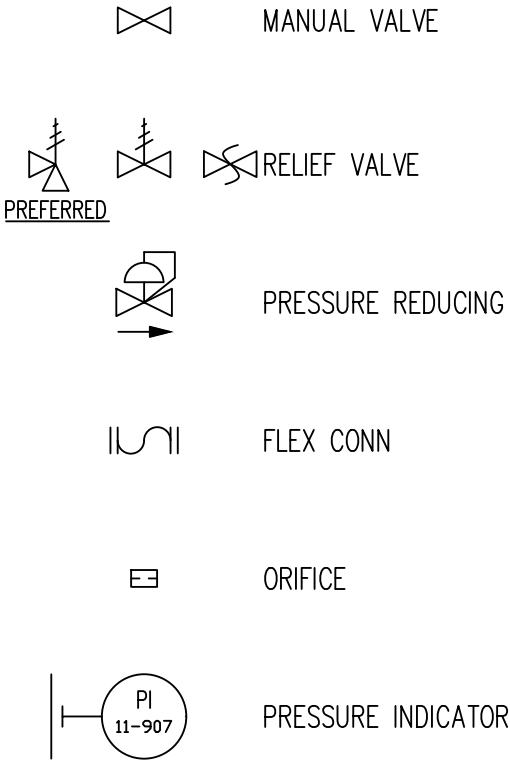
| REVISIONS |      |             |      |          |
|-----------|------|-------------|------|----------|
| ZONE      | REV. | DESCRIPTION | DATE | APPROVED |



- NOTES:
- PRESSURE REGULATOR (PR-1) MUST HAVE A VALVE COEFFICIENT  $C_v$  THAT IS LESS THAN OR EQUAL TO 0.065.
  - RELIEF VALVE (PSV-1) MUST HAVE AN AIRFLOW CAPACITY THAT IS GREATER THAN OR EQUAL TO 80 SCFM.
  - OR-1 IS 0.001-0.003 INCH DIAMETER ORIFICE WITH SCREENS.

|                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                    |       |                                                                    |          |                                                                                    |                   |                                                     |       |   |    |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------|----------|------------------------------------------------------------------------------------|-------------------|-----------------------------------------------------|-------|---|----|---|
| <div>DIM &amp; TOL PER ASME Y14.5 2009.<br/>UNLESS OTHERWISE SPECIFIED<br/>DIMENSIONS ARE IN INCHES<br/>TOLERANCES ARE:<br/>FRACTIONS    DECIMAL    ANGLES<br/>± 1/8    .X    ± .1    ± .50 °<br/>          .XX    ± .02<br/>          .XXX ± .003</div> <div>THIRD ANGLE PROJECTION</div> <div></div> | MATERIAL                                                                                                                                                                           |       | U.S. Department<br>of Energy<br>Office of Science                  |          | <div>Jefferson Lab</div> <div>Thomas Jefferson National Accelerator Facility</div> |                   | Operated by<br>Jefferson Science<br>Associates, LLC |       |   |    |   |
|                                                                                                                                                                                                                                                                                                                                                                                             | N/A                                                                                                                                                                                |       | HALL B<br>03 TARGET<br>07 ALERT<br>STRAW PRESSURE TEST RIG DIAGRAM |          |                                                                                    |                   |                                                     |       |   |    |   |
|                                                                                                                                                                                                                                                                                                                                                                                             | <div>FINISH<br/>MACHINED<br/>SURFACES</div> <div>N/A</div> <div>UNLESS<br/>OTHERWISE<br/>NOTED</div> <div>DEBURR &amp; BREAK ALL SHARP EDGES</div> <div>DO NOT SCALE DRAWING</div> |       | SIZE                                                               | DWG. NO. |                                                                                    |                   |                                                     | REV.  |   |    |   |
|                                                                                                                                                                                                                                                                                                                                                                                             | DRAWN<br>CHRIS GUTHRIE                                                                                                                                                             |       | DATE<br>10/14/24                                                   | B        |                                                                                    | BL2401-03-07-PD02 |                                                     |       |   | —  |   |
|                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                    | SCALE | N/A                                                                |          | USED ON ASSY NO.                                                                   |                   | N/A                                                 | SHEET | 1 | OF | 2 |

GENERAL FITTING SYMBOLS



FITTINGS LIST

| NUMBER | FITTING FUNCTION          |
|--------|---------------------------|
| PR-1   | SUPPLY PRESSURE REGULATOR |
| MV-1   | SUPPLY VALVE              |
| MV-2   | PRESSURE BLEED-OFF VALVE  |
| PSV-1  | PRESSURE RELIEF VALVE     |
| PI-1   | TEST PRESSURE INDICATOR   |
| OR-1   | ORIFICE W/SCREENS         |

LINE COLORING SCHEME

|  |                       |
|--|-----------------------|
|  | CRYO HELIUM           |
|  | HYDROGEN (H2)         |
|  | DEUTERIUM (D2)        |
|  | NITROGEN (N2)         |
|  | ARGON                 |
|  | VACUUM/MULTI-GAS      |
|  | HELIUM SHIELD EXHAUST |
|  | HELIUM RETURN 20K     |
|  | HELIUM 4K             |
|  | TARGET HEAT SHIELD    |
|  | INSTRUMENT AIR        |
|  | ARGON/CO2 MIX         |
|  | CO2                   |

LINE NUMBERING

B1-N2-2"S10-300-SS

MATERIAL:  
AL - ALUMINUM  
CS - CARBON STEEL  
CU - COPPER  
SS - STAINLESS STEEL  
NY - NYLON

DESIGN PRESSURE (PSIG)

PIPE SIZE AND SCHEDULE  
S - PIPE SCHEDULE  
T - TUBE

SERVICE:  
AR - ARGON  
D2 - DEUTERIUM  
H2 - HYDROGEN  
HE - HELIUM  
N2 - NITROGEN  
VAC - VACUUM  
CO2 - CARBON DIOXIDE  
IA - INSTRUMENT AIR  
MG - MULTI-GAS

LOCATION:  
B1 - HALL B  
B2 - GAS SHED (96B)  
B3 - OUTSIDE GAS SHED  
B4 - TED, EEL, HALL B

\*\*SEE ANSI/ISA-S5.1 FOR ADDITIONAL INSTRUMENTATION SYMBOLS & IDENTIFICATION.\*\*

| SIZE  | DWG. NO.          | REV.   |
|-------|-------------------|--------|
| B     | BL2401-03-07-PD02 |        |
| SCALE | USED ON ASSY NO.  | SHEET  |
| N/A   | N/A               | 2 OF 2 |