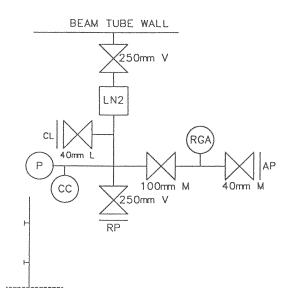
PUMP PORT HARDWARF

TYPE B: FOR PORTS DURING BAKE & LEAK CHECK 9 UNITS REQUIRED, PLUS SPARES

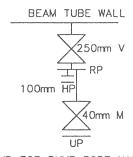


NOTE THAT PUMP PORTS AT MODULE ENDS AT THE CORNER STATION ARE POSITIONED ON THE INBOARD SIDE OF THE ANGLE BETWEEN THE BEAM TUBE ARMS.

CORNER STATION

В

TYPE H: FOR PORTS DURING HOLD (AFTER ACCEPTANCE. BEFORE OPERATION) 36 UNITS REQUIRED PER SITE, PLUS SPARES



LEGEND FOR PUMP PORT HARDWARE:

BLANKED PORT FOR AUXILIARY TURBO PUMP COLD CATHODE GAUGE

BLANKED PORT FOR CALIBRATED LEAKS

CAPACITANCE MANOMETER GAUGE (ABSOLUTE) BOURDON GAUGE

BLANKED PORT FOR RGA HEAD INSTALLATION

LN2: LIQUID NITROGEN TRAP, 4 M2 COLD SURFACE

VARIABLE LEAK VALVE METAL SEALED VALVE

PIRANI GAUGE

MODULE 1, SHOWN IN BAKE CONFIGURATION

REGULATOR WITH DUAL GAGES

RGA: THE FOLLOWING SYSTEM OR ITS EQUIVALENT: BALZERS QMG 421-1 (MASS RANGE 1-100, CONSISTING OF CMS 421-1, QUADSTAR 421, QMA 125 WITH GRID ION SOURCE 110V AND SEM 90 DEG OFF AXIS/FARADAY) PLUS IC 421 ION COUNTER. CP 400 ION COUNTER PREAMPLIFIER, AND QAM ANÁLYSIS MATRIX SOFTWARE

MID STATION

Н

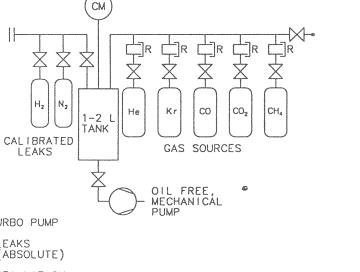
H

BLANKED PORT FOR ROOTS AND TURBO PUMPS

BLANKED PORT FOR TURBO PUMP

BLANKED PORT FOR UTILITY PURPOSES

VITON SEALED VALVE



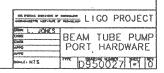
MODULE 2, SHOWN IN HOLD CONFIGURATION

PORTABLE CALIBRATION MODULE

PLAN VIEW OF ARM AT HANFORD SITE, SHOWING TYPES OF HARDWARE AT EACH PUMP PORT

В

В



Н

END STATION