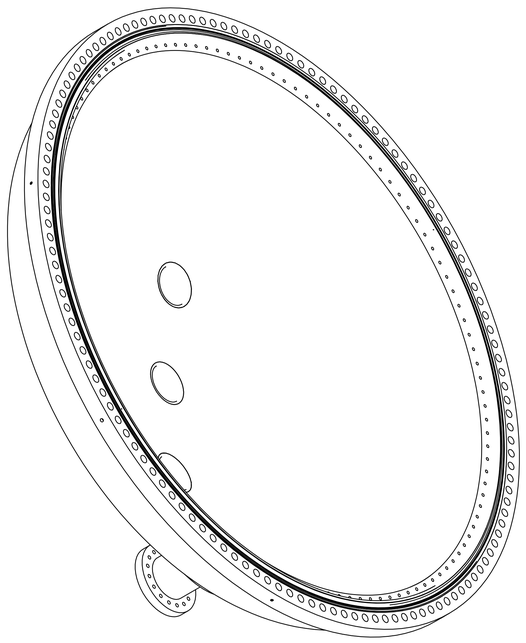
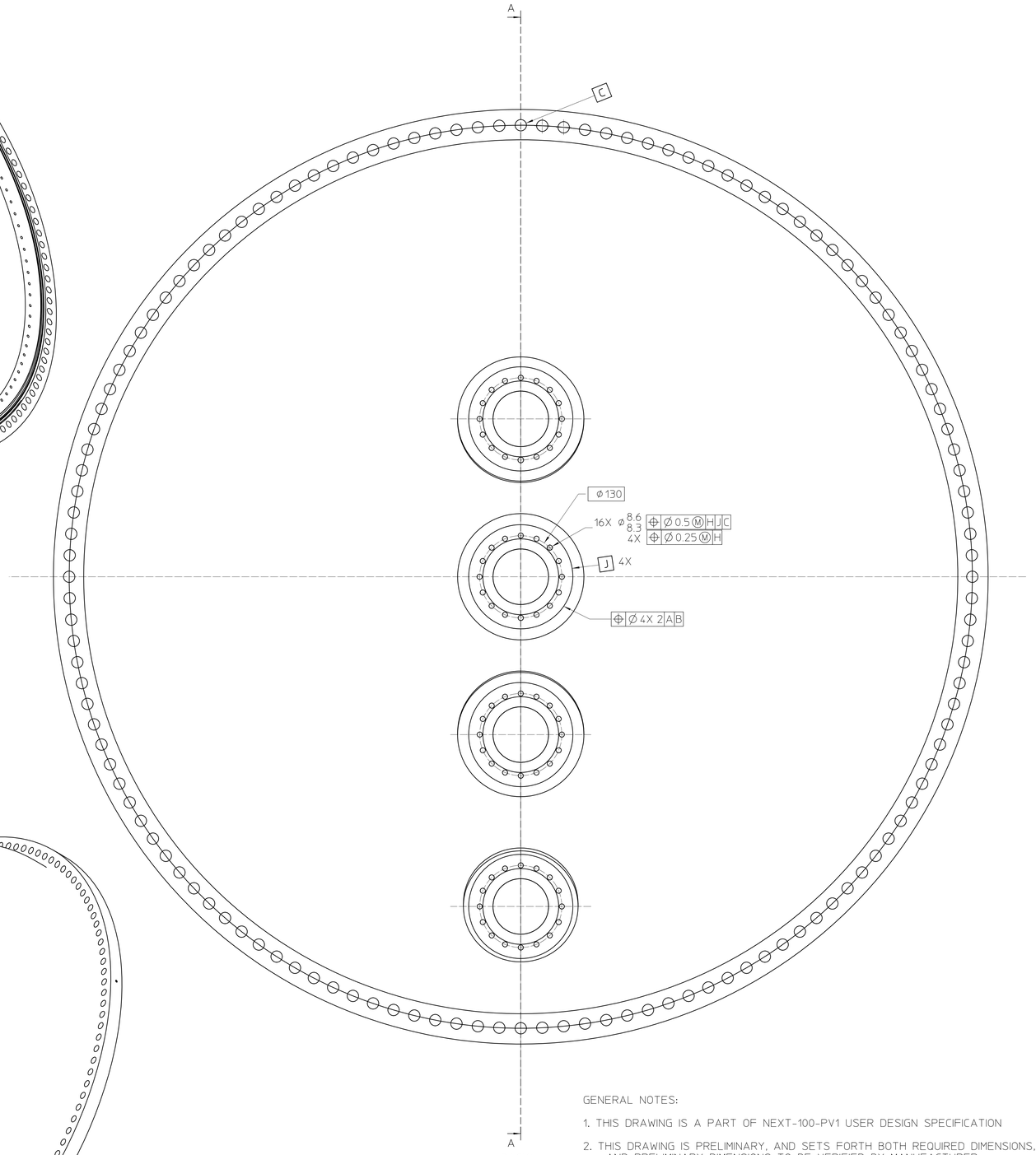
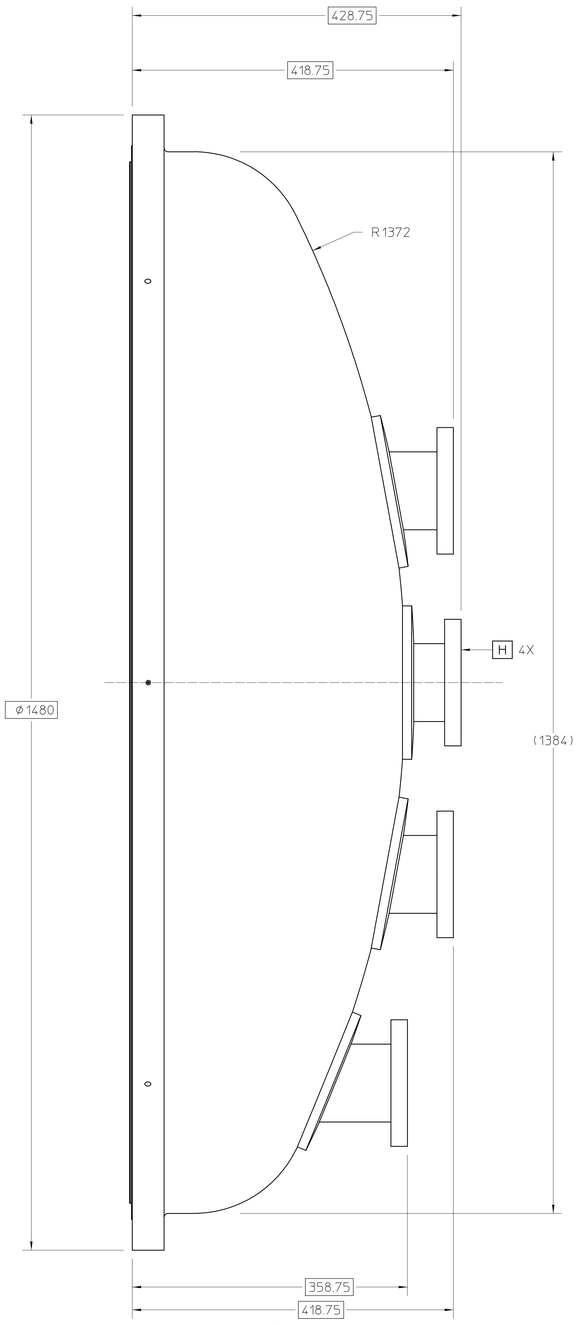


ISO2
SCALE 1:5



BACK1



RIGHT1

ISO3
SCALE 1:5

GENERAL NOTES:

1. THIS DRAWING IS A PART OF NEXT-100-PV1 USER DESIGN SPECIFICATION
2. THIS DRAWING IS PRELIMINARY, AND SETS FORTH BOTH REQUIRED DIMENSIONS, AND PRELIMINARY DIMENSIONS TO BE VERIFIED BY MANUFACTURER.
3. ALL PARTS TO BE FABRICATED, INSPECTED AND TESTED IN ACCORDANCE WITH ASME BOILER AND PRESSURE VESSEL CODE SECTION VIII, DIV. 1 OR EU EQUIVALENT.
4. ADDITIONAL REQUIREMENTS APPLY CONCERNING CLEANING, PREPARATION, INSPECTION, WELDING, HEAT TREATING.
5. VESSEL IS FOR BOTH MEDIUM PRESSURE (15.4 BAR) AND HIGH VACUUM (10*-6 TORR) SERVICE.
6. PART SHALL BE DELIVERED IN CLEAN CONDITION, SERVICEABLE FOR HIGH VACUUM SERVICE

MATERIAL: 316Ti (EN 1.4571, UNSS31635) PER ASME SPEC 240 OR EQUIV

SHOWN ON: 26K589

VER	AUTHOR	APPROVER	DATE	CHANGE DESCRIPTION
A	dbshuman			INITIAL VERSION (NO REVISION)

UNLESS OTHERWISE SPECIFIED
TOLERANCES: .X± .05 .XX± .01 .XXX± .005
FRACTIONS: ± 1/64
ANGLES: ± 0.2°
MACH. SURFS.: 125√ OR BETTER
REF ASME Y14.5M-1994, THREADS ARE CLASS 2
BREAK EDGES .016 MAX. ON MACHINED WORK
REMOVE BURRS, WELD SPLATTER & LOOSE SCALE

PROJECT NAME:
PROJECT NUMBER:
DO NOT SCALE PRINT
CATEGORY CODE:
SCALE: 1 : 3
RP 3 1 4 1
THIRD ANGLE PROJECTION

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY
UNIVERSITY OF CALIFORNIA

NEXT-100 XENON TIME PROJECTION CHAMBER
PRESSURE VESSEL - VESSEL
HEAD WELDMENT

SHEET 1 OF 4 | SIZE: E | DWG NO: 26K591 | VER A