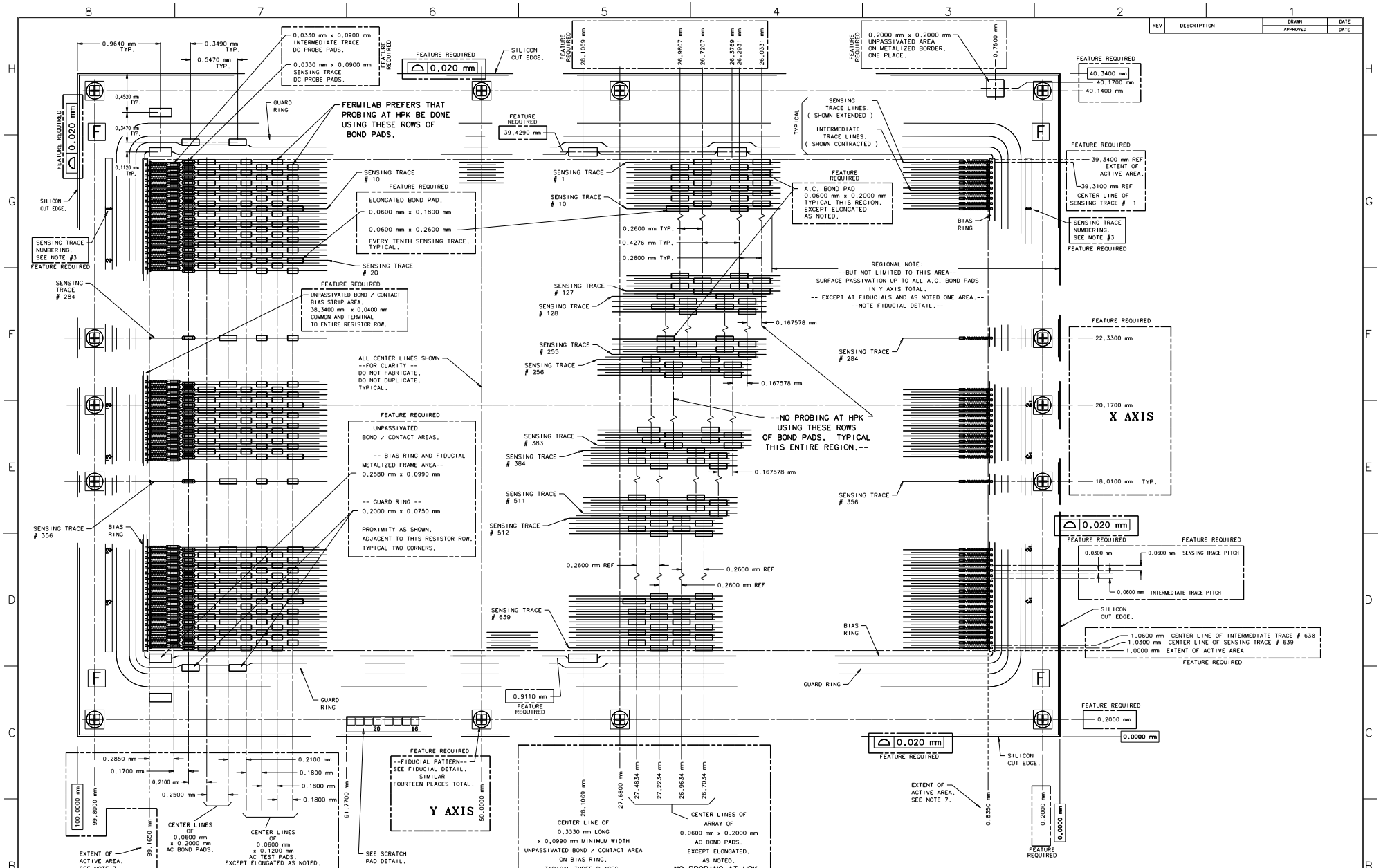
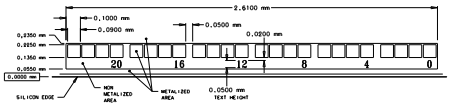
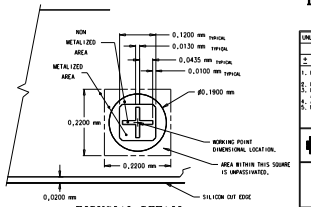


1. ALL MASK FEATURES TO BE INTERPRETED AS BEING REFERENCED TO THE X - Y AXES.
2. NECESSARY / REQUIRED FEATURES AND DIMENSIONS ARE SHOWN WITHIN A BORDERED AREA ———————— WITH ADJACENT NOTATION : " FEATURE REQUIRED ". OTHER FEATURES MAY BE CHANGED SUBJECT TO FERMILAB REVIEW.
3. SUGGESTED SENSING TRACE NUMBERING SCHEME: CONSISTS OF ARABIC NUMERALS EVERY TENTH SENSING TRACE WITH THE NUMERAL INDICATING THE TENTHS DIGIT. DOTS / SQUARES ARE USED TO INDICATE THE HUNDREDTHS DIGIT.
4. ALL TRACE LINES SHOWN INDICATE THE CENTER OF THE STRIPS.
5. UNPASSIVATED BOND / CONTACT / BOND PAD AREAS ARE DESCRIBED AND REQUIRED AND ARE SUBJECT TO FERMILAB REVIEW.
6. THE SILICON CUT DIMENSIONS ARE FIXED AND REQUIRED.
7. THE EXPECTED ACTIVE LENGTH, ACTIVE AND CUT WIDTH AND DISTANCE FROM CUT END TO A.C. BOND PADS ARE BASED UPON HPK'S RECOMMENDATIONS. CHANGES ARE SUBJECT TO FERMILAB REVIEW.
8. VENDOR IS RESPONSIBLE FOR DETERMINING GUARD RING AND BIAS RING STRUCTURE DESIGNS. BUT THEY ARE SUBJECT TO FERMILAB REVIEW.
9. FIDUCIAL DESIGN / DETAILS MAY BE CHANGED, BUT THEY ARE SUBJECT TO FERMILAB REVIEW.
10. SENSOR IDENTIFICATION NUMBERS ARE TO BE ENCODED IN BINARY AND INDICATED ON ADJACENT SCRATCH PADS. PAD 0 IS TO BE USED FOR THE LEAST SIGNIFICANT BIT OF THE IDENTIFICATION NUMBER.



SCRATCH PAD DETAIL



FIDUCIAL DETAIL

REF. INCEPTION DRAWING: 3823.210-ME-399382

UNLESS OTHERWISE SPECIFIED			ORIGINATOR	W.E.COOPER	25-JAN-2002
.XX	.XXX	ANGLES	DRAWN	J.KOWALSKI	21-AUG-2002
±	±	± 1°	CHECKED	R.DIMINA/F.LEHNER	28-FEB-2003
1. BREAK ALL SHARP EDGES 125 RADIUS. 2. DO NOT SCALE DRAWING. 3. DIMENSIONS BASED UPON ANSI Y14.5M-1982 4. ALL DIMENSIONS ARE INCHES 5. MAX. ALL MACH. SURFACES 125			APPROVED	W.E.COOPER	28-FEB-2003
			USED ON		
			MATERIAL		

FERMI NATIONAL ACCELERATOR LABORATORY
UNITED STATES DEPARTMENT OF ENERGY

D-ZERO RUN2B
HPK SENSOR
LAYERS 2 TO 5 - 639 TRACES

SCALE	DRAWING NUMBER	SHEET	REV
NONE	3823.210-ME-399565	1 OF 1	

CREATED WITH : Ideas9m3 GROUP: PPD/MECHANICAL DEPARTMENT