

**NOTES: UNLESS OTHERWISE SPECIFIED**

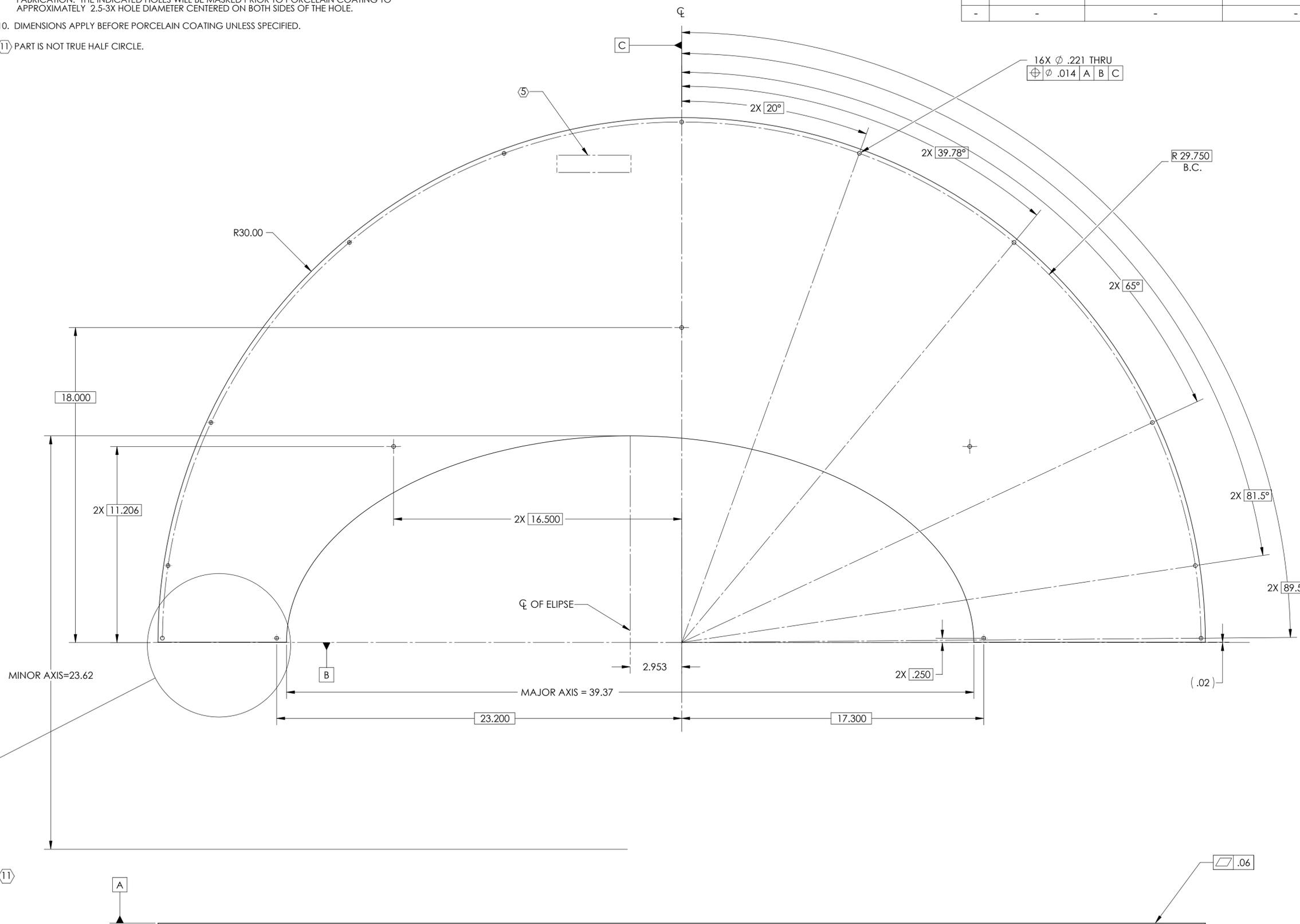
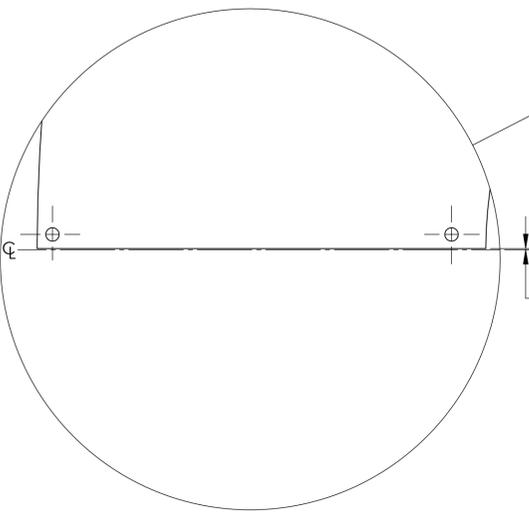
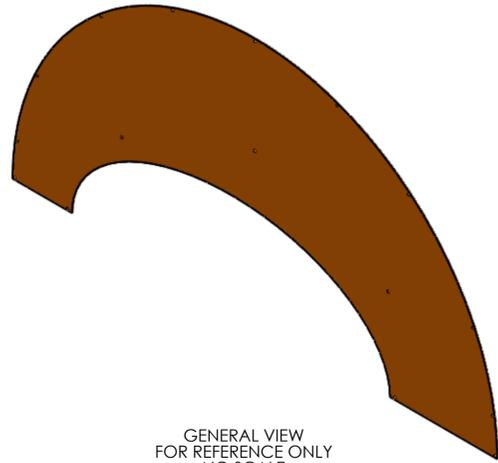
1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES AND BURRS AND ROUND EDGES APPROXIMATELY R.02.
3. DO NOT SCALE FROM DRAWING.
4. ALL MACHINE FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE AND CHLORINE PER LIGO DOCUMENT E0900237.
5. MECHANICALLY STAMP (NO INKS OR DYES) PART NUMBER, REVISION AND SERIAL NUMBER .020 DEEP WITH MINIMUM CHARACTER HEIGHT .156 APPROXIMATELY WHERE SHOWN. SERIAL NUMBER WILL START AT 001 AND PROCEED CONSECUTIVELY. EXAMPLE: D100XXXX-V1  
S/N 001
6. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPEC E0900364.
7. ALL MATERIAL IS TO BE VIRGIN MATERIAL (I.E. NO WELD REPAIRS OR PLUGS) UNLESS APPROVED IN ADVANCE, IN WRITING, BY LIGO PER SPECIFICATION E0900364.
8. SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.

9. PART WILL BE PORCELAIN COATED PER LIGO SPECIFICATION E1000083 AFTER FABRICATION. THE INDICATED HOLES WILL BE MASKED PRIOR TO PORCELAIN COATING TO APPROXIMATELY 2.5-3X HOLE DIAMETER CENTERED ON BOTH SIDES OF THE HOLE.

10. DIMENSIONS APPLY BEFORE PORCELAIN COATING UNLESS SPECIFIED.

11. PART IS NOT TRUE HALF CIRCLE.

REV.	DATE	DCN #	DRAWING TREE #
v1	19 MAY 2011	E1000822-v1	-
-	-	-	-
-	-	-	-



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES				SYSTEM		APERTURE PLATE_75MM	
TOLERANCES: .XX ± .03 .XXX ± .010				ADVANCED LIGO		DESIGNER TQ. NGUYEN 10 NOV 2010	
ANGULAR ± 0.5°				SUB-SYSTEM AOS		DRAFTER TQ. NGUYEN 30 NOV 2010	
MATERIAL 18GA A424 TYPE 1 STEEL				NEXT ASSY D1002864		SIZE DWG. NO. D D1003109	
FINISH 8, 9				APPROVAL D. COYNE		REV. v1	
				SCALE: 1:3		PROJECTION:	
						SHEET 1 OF 1	

D1003109\_d1003109.dwg: 75-Aperture\_Plate\_PDR.PDM.REV.2:016