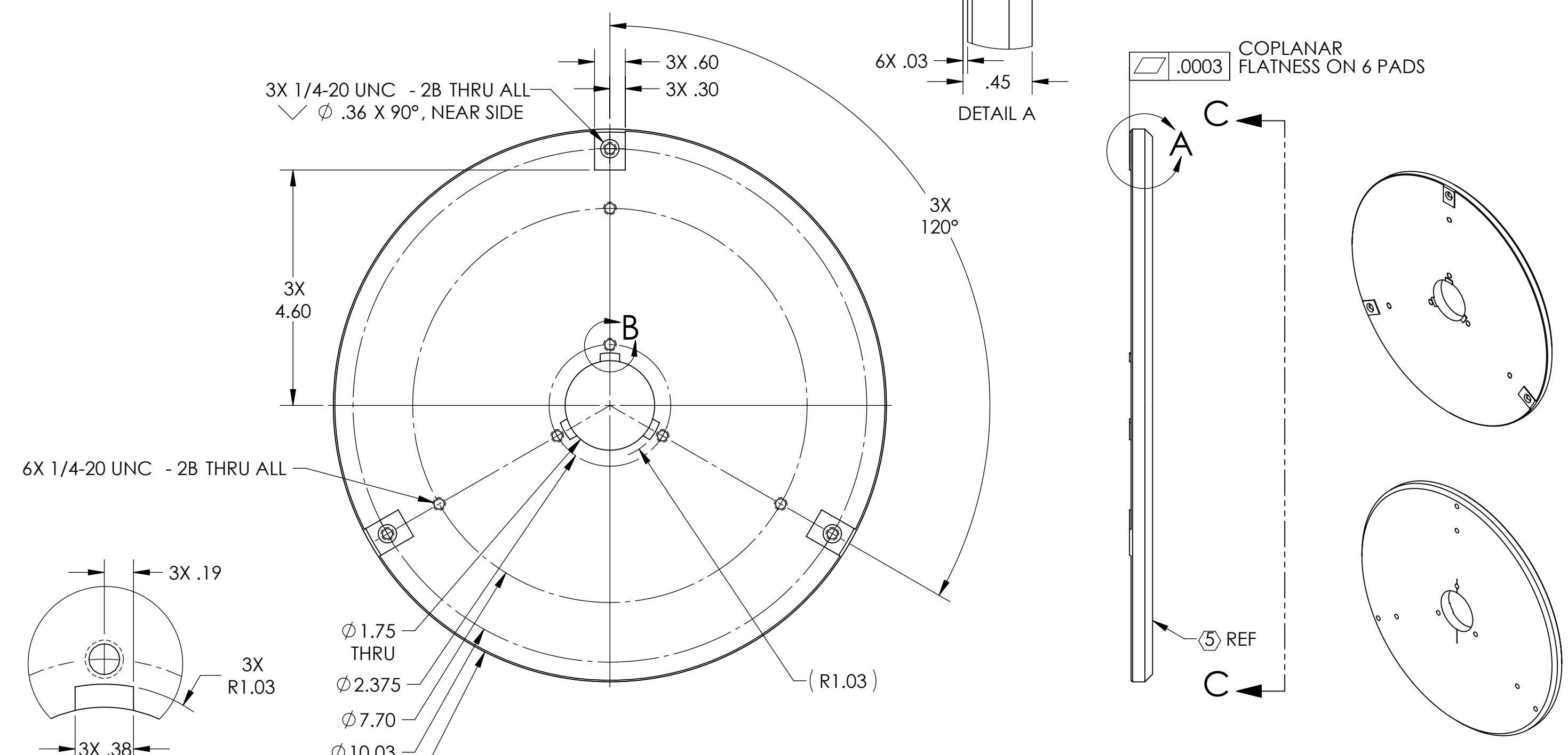


D1100370 aLIGO TMS TOOLING PRIMARY MIRROR PLATE, PART PDM REV: X-020, DRAWING PDM REV: X-019

NOTES CONTINUED:
 5. SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

6. APPROXIMATE WEIGHT = 1.34 LB [.61 KG].
 7. MACHINE ALL SURFACES.
 8. MATERIAL: TYPE 300 CAST ALUMINUM TOOL PLATE, BLANCHARD GROUND.

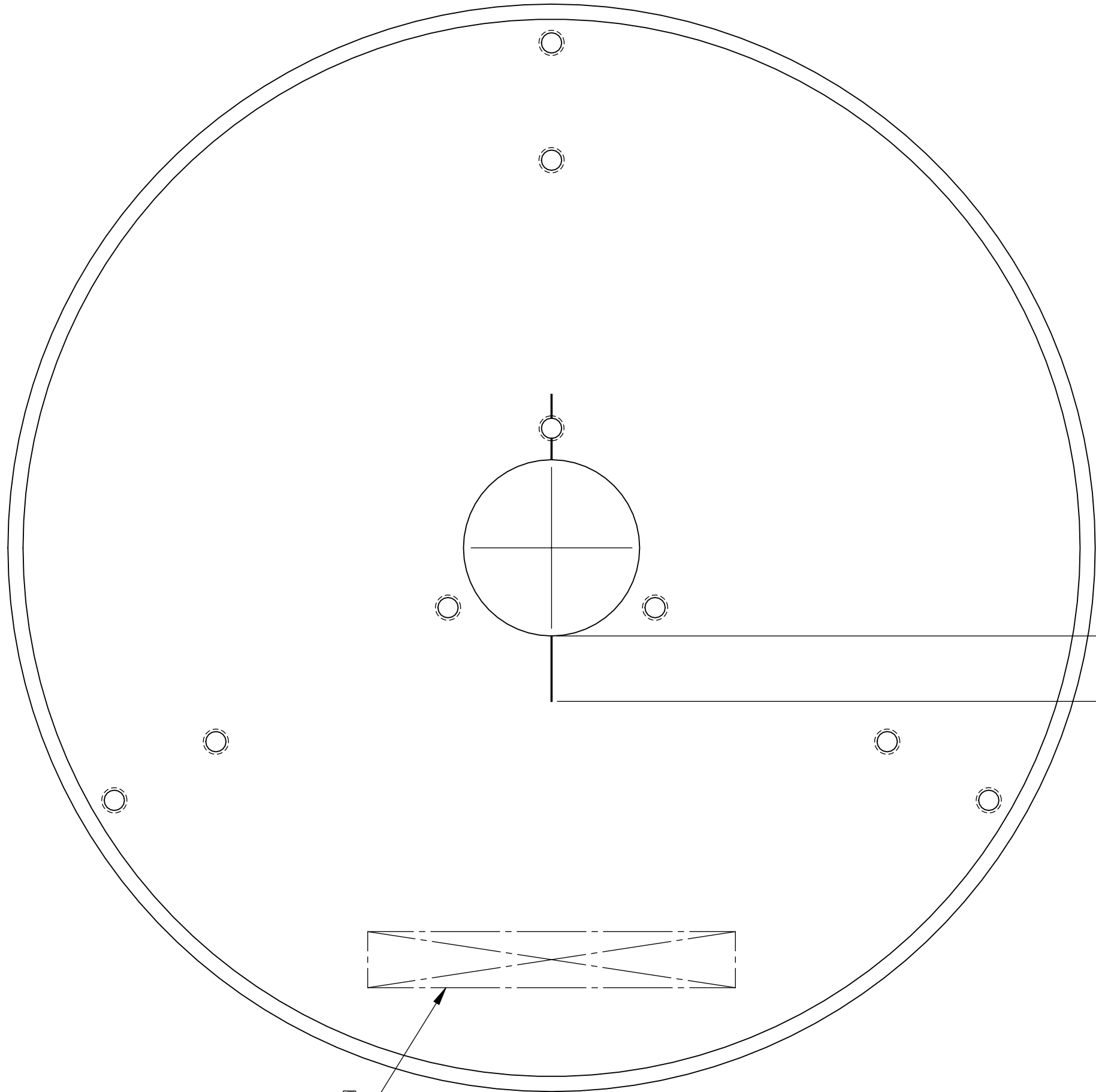
REV.	DATE	DCN #	DRAWING TREE #
v1	05 MAY 2011	E1000384-v1	-
-	-	-	-
-	-	-	-



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
1. INTERPRET DRAWING PER ASME Y14.5-1994.	
2. REMOVE ALL SHARP EDGES, R.02 MIN.	
3. DO NOT SCALE FROM DRAWING.	
4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
TOLERANCES:	
.XX ± .01	
.XXX ± .005	
ANGULAR ± 1.0°	
MATERIAL	8
FINISH	63 μinch Ra

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME aLIGO TMS TOOLING PRIMARY MIRROR PLATE	
SYSTEM	ADVANCED LIGO	SUB-SYSTEM	AOS
DESIGNER	C. CONLEY	25 FEB 2011	SIZE DWG. NO.
DRAFTER	M. MILLER	28 FEB 2011	B
CHECKER			D1100370
APPROVAL			REV. v1
NEXT ASSY		TOOLING	
SCALE: NONE		PROJECTION:	
		SHEET 1 OF 2	


D1100370 gLIGO TMS TOOLING PRIMARY MIRROR PLATE, PART PDM REV: X-020, DRAWING PDM REV: X-019



2X .70
.60 ON ϕ
SCRIBE LINE, .010 WIDE,
FROM HOLE EDGE AS SHOWN

5

VIEW C-C

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
B	D1100370	v1
SCALE: NONE	PROJECTION:	SHEET 2 OF 2