

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 = 35.96 LB (16.31 KG).

7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED.

8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.

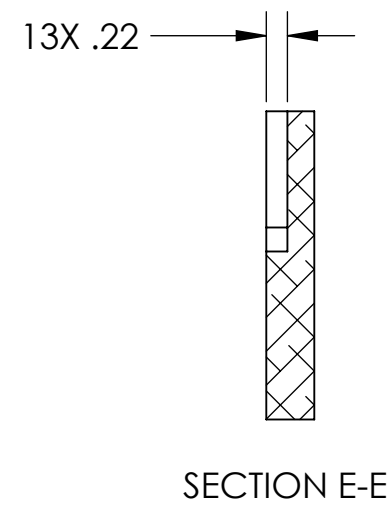
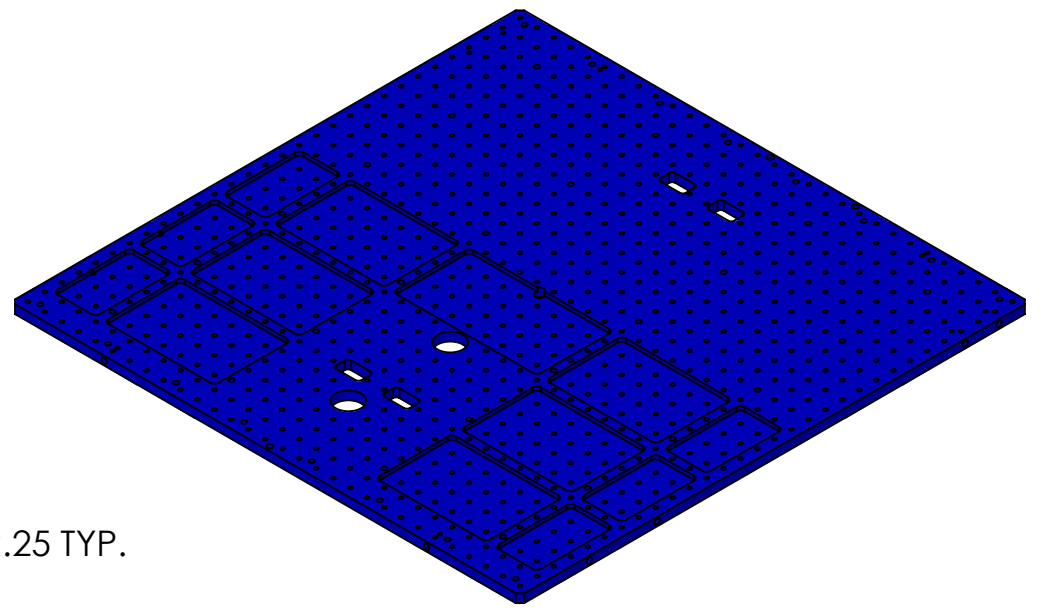
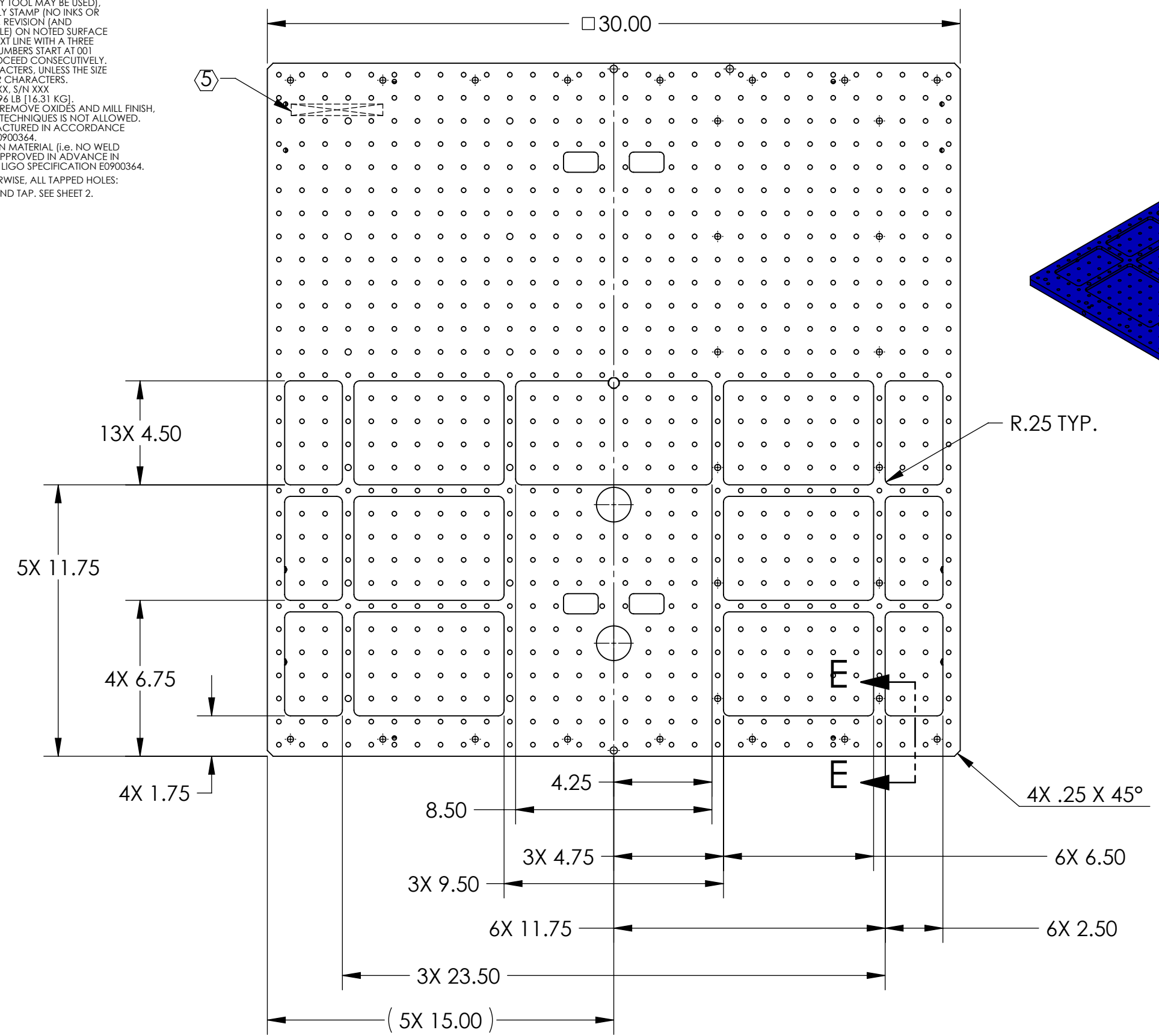
9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS OR PLUGS UNLESS APPROVED IN ADVANCE IN WRITING BY LIGO). REFER TO LIGO SPECIFICATION E0900364.

10. EXCEPT WHERE NOTED OTHERWISE, ALL TAPPED HOLES: .005" OVERSIZE BOTH DRILL AND TAP. SEE SHEET 2.

REV.	DATE	DCN #	DRAWING TREE #
v1	22 DEC 2010	E1000762-v1	-
v2	12 JAN 2011	E1100031-v1	-
v3	03 FEB 2011	E1100080-v1	-
v4	06 APR 2011	E1100277-v1	-

D
C
B
A

D
C
B
A

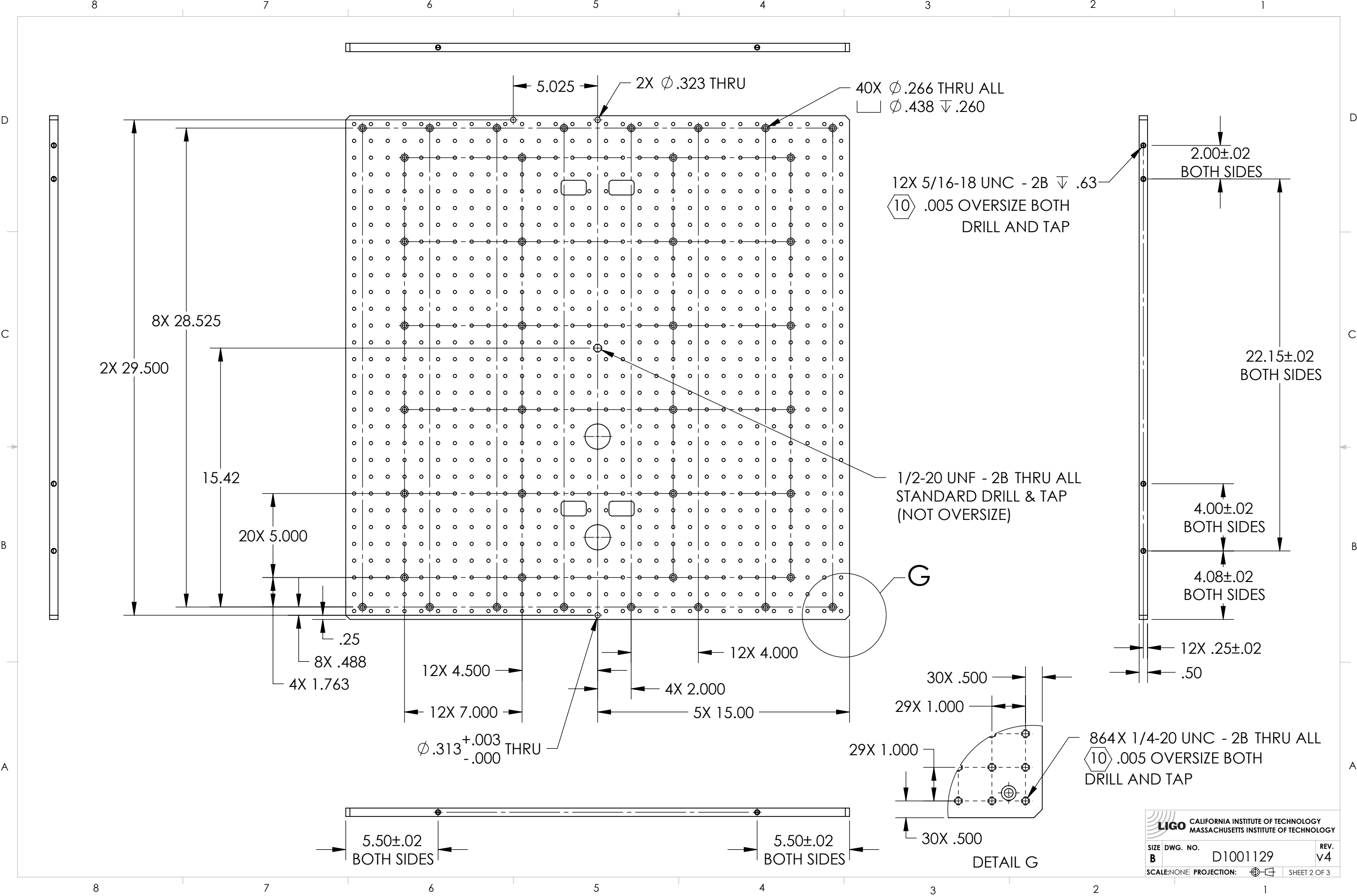


D1001129 aLIGO ETM OPTICAL TABLE, PART PDM REV: X-087, DRAWING PDM REV: X-090

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± .01 .XXX ± .005	
ANGULAR ± 1.0°	
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.	
MATERIAL	FINISH
6061-T6 Al	63 μinch Ra

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
SYSTEM ADVANCED LIGO		SUB-SYSTEM AOS	
NEXT ASSY		D1001160	
DESIGNER K. MAILAND 09 OCT 2010		SIZE DWG. NO. B D1001129	
DRAFTER M. MILLER 09 NOV 2010		REV. v4	
CHECKER SEE DCN		SCALE: NONE PROJECTION:	
APPROVAL SEE DCN		SHEET 1 OF 3	

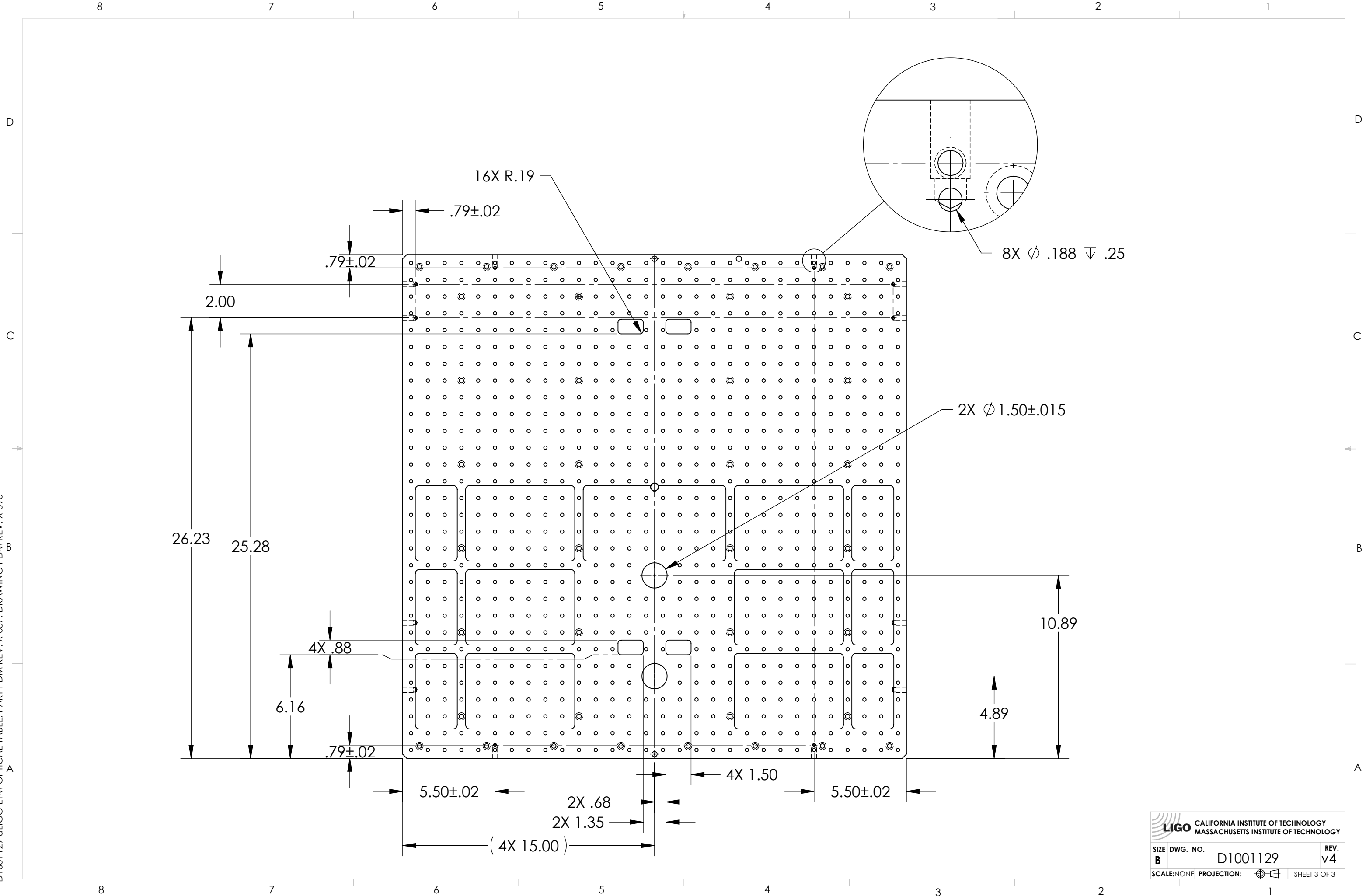
D1001129 dLIGO EIM OPTICAL TABLE, PART PDM REV: X-087, DRAWING PDM REV: X-090



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SIZE	DWG. NO.	REV.
B	D1001129	v4
SCALE: NONE	PROJECTION:	SHEET 2 OF 3

D1001129 dLIGO EIM OPTICAL TABLE, PART PDM REV: X-087, DRAWING PDM REV: X-090



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SIZE	DWG. NO.	REV.
B	D1001129	v4
SCALE: NONE	PROJECTION:	SHEET 3 OF 3