NOTES CONTINUED:

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: DXXXXXXX-VY, TYPE-XX, S/N XXX

6. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY.

7. ALL MATERIAL TO BE 304L STAINLESS STEEL.

8. FOR SURFACE ROUGHNESS REFER TO LIGO E1900024

9. GRINDING TO INTERNAL VACUUM BOUNDARY SURFACES IS NOT ALLOWED. DO NOT USE CARBON STEEL BRUSHES OR BRUSHES CONTAMINATED WITH CARBON STEEL ON STAINLESS OR ALUMINUM MATERIAL.

10. MACHINE TOOL LAY TO BE CONCENTRIC ON ALL SURFACES THAT REQUIRE A 32 RMS FINISH.

11. FLANGES WILL BE USED IN UHV SERVICE.

12. NO ABRASIVE STONES, CLOTHS OR GRINDING WHEELS MAY BE USED.

13. NO OIL BASED OR HYDROCARBON BASED CUTTING FLUIDS MAY BE USED.

 $\langle 14 \rangle$ Flange leak ports shall be centered at 12 and 6 o'clock positions.

 $\langle 15 \rangle$ SCRIBE LINE ON OUTSIDE SURFACE OF CF FLANGE WHERE SHOWN.

 $\langle 16 \rangle$ for Welding and Helium Leak Test specifications refer to Ligo E0900408 AND E0900404

17. CONFLAT FLANGES ARE TO BE PROTECTED WITH RIGID COVERS AT ALL TIMES DURING AND AFTER MANUFACTURING.

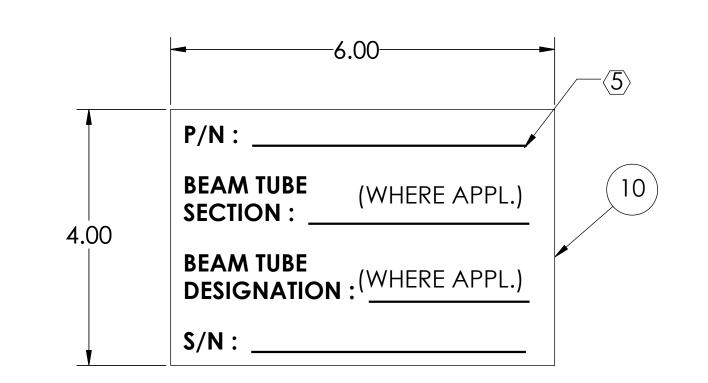
18. PACKAGE, HANDLE, AND SHIP IN SUCH A MANNER S TO MAINTAIN SPECIFIED SURFACE FINISHED AND FLATNESS TOLERANCES.

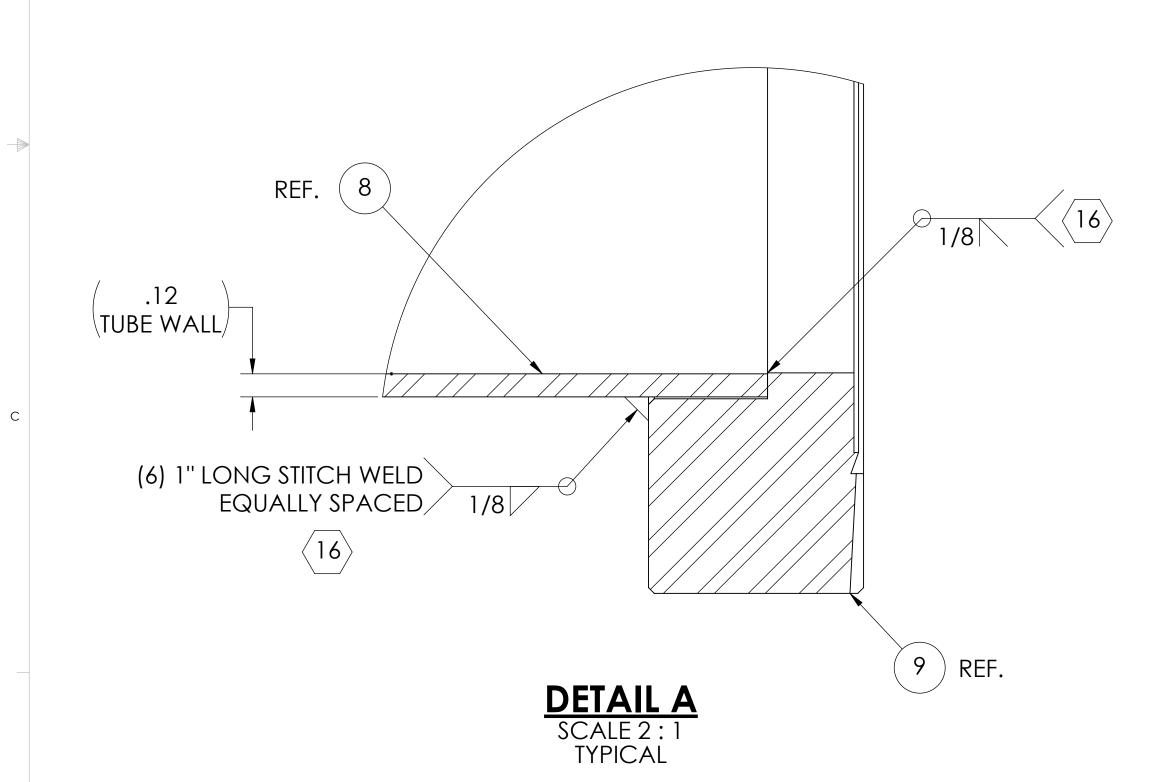
19 Center lines of all beam tubes and flanges are to be on the COMMON CENTER LINE WITHIN $\pm 1/16$ ".

20. DIMENSIONS DENOTED WITH _____ TO BE MEASURED AND RESULTS INCLUDED IN

AN INSPECTION REPORT.

PART PDM VERSION: y-110 DWG PDM VERSION: y-030 D1900443 A+ VE, FC Tube, 10in OD





ITEM NO.	D1900443-01 PART NUMBER	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 240" LG. DESCRIPTION	AISI 304 MATERIAL	QTY.
1	D1900443-01	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 240" LG.	AISI 304	1
2	D1900443-02	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 180" LG.	AISI 304	1
3	D1900443-03	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 170.14" LG.	AISI 304	1
4	D1900443-04	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 183.75" LG.	AISI 304	1
5	D1900443-05	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 144" LG.	AISI 304	1
6	D1900443-06	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 96" LG.	AISI 304	1
7	D1900443-07	A+, VE, FC FC BEAM TUBE, 10 IN. O.D, 12" CF, 90" LG.	AISI 304	1
8	BY VENDOR	A+, 10" OD. TUBE, .12" WALL	AISI 304	A/R
9	BY VENDOR	CF FLANGE, 12" OD. X 10" ID, NON-ROTATABLE	AISI 304	2
10	BY VENDOR	NAMEPLATE, 2in X 3in X .06 THK	SSTL	1

