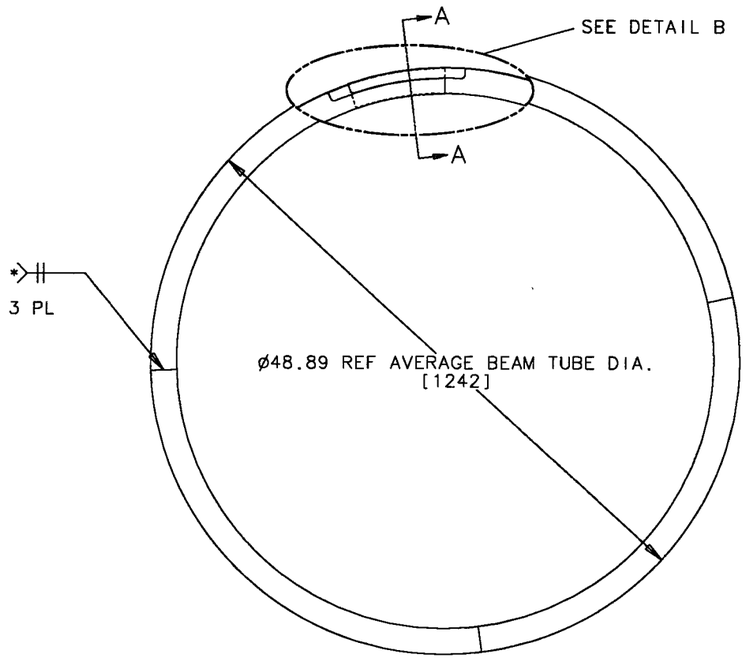
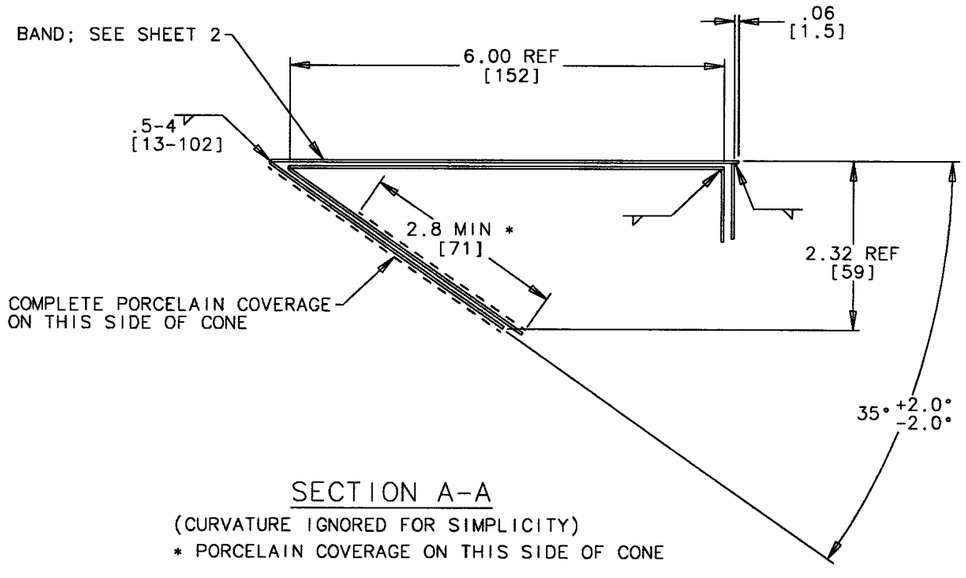
REV	DATE	DRWN	APPD	DCN/DESCRIPTION



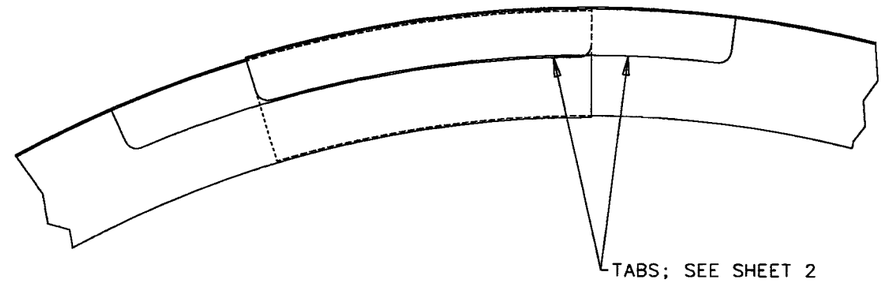
BAFFLE ASSEMBLY

* TOP SURFACE OF CONE SEGMENT BUTT JOINTS TO BE FREE OF WELD MELT-THROUGH. EDGE MISMATCH NOT TO EXCEED .010 [.25].
ALT 2 RATHER THAN 4 SEGMENTS.



SECTION A-A

(CURVATURE IGNORED FOR SIMPLICITY)
* PORCELAIN COVERAGE ON THIS SIDE OF CONE



DETAIL B

DRAWN INSTALLED IN MAXIMUM DIAMETER OF BEAM TUBE (ø49.17)
7.5 OVERLAP AT BAND

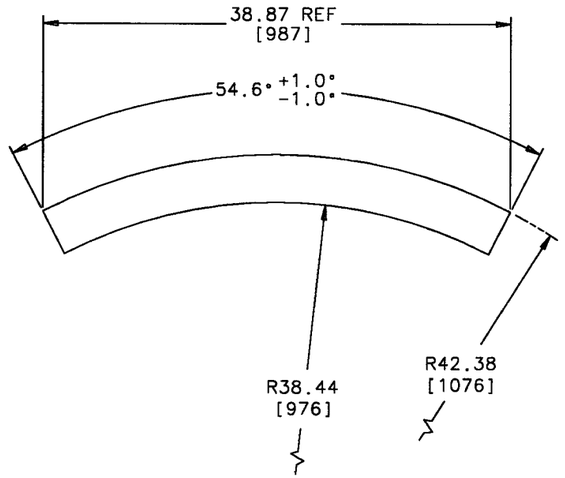
LINEAR TOLERANCES, UNLESS OTHERWISE NOTED:
X.XXX: ± 0.003
X.XX: ± 0.03
X.X: ± 0.10

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

CALIFORNIA INSTITUTE OF TECHNOLOGY / MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LIGO PROJECT	
DRWN C. CONLEY	BEAM TUBE BAFFLE, NON-SERRATED, FABRICATION AND PORCELAIN COVERAGE DETAIL	
CHKD		
ENGR 3/21/96		
APPD 3/21/96		
APPD 3/24/96		
SCALE: NTS	TYPE D960046	SHEET 1-2 REV A

EDITION: 3/20/96

REV	DATE	DRWN	APPD	DCN/DESCRIPTION



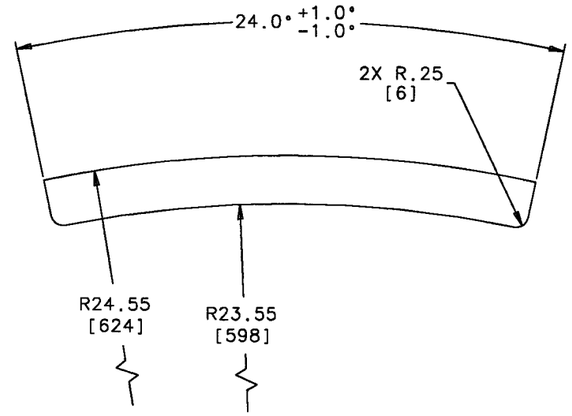
CONE SEGMENT

4 REQ'D.

MATERIAL: 304L STAINLESS STEEL
THICKNESS: 20ga (.036 NOM)

CONE SEGMENTS TO BE CUT BY WATERJET OR LASER PROCESS.

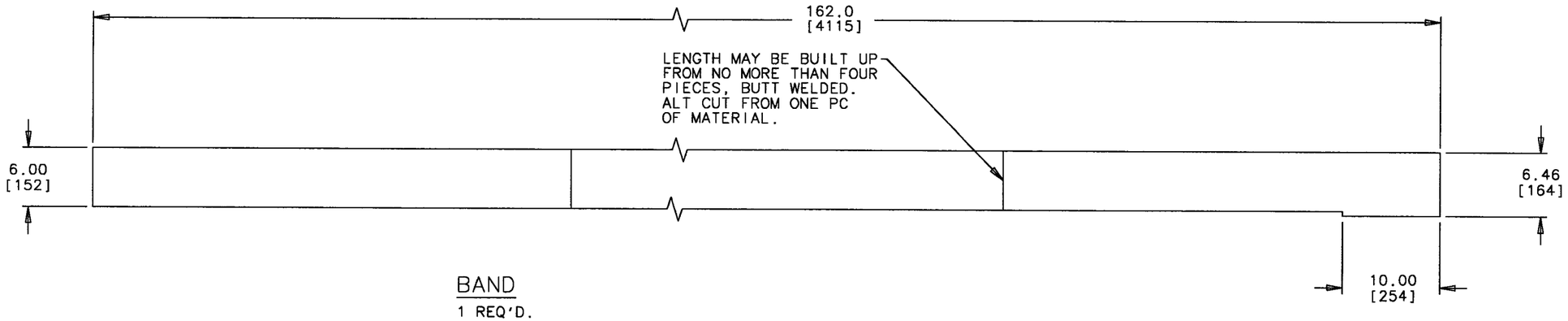
ALT METHOD TWO SECTIONS 109.2° EACH.



TAB

2 REQ'D

MATERIAL: 304L STAINLESS STEEL
THICKNESS: 20ga (.036 NOM)
NO OVERSPRAY ON THIS PART



BAND

1 REQ'D.

MATERIAL: 304L STAINLESS STEEL
THICKNESS: 20ga (.036 NOM)

LINEAR TOLERANCES, UNLESS OTHERWISE NOTED:
X.XXX: ± 0.003
X.XX: ± 0.03
X.X: ± 0.1

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO PROJECT

DRWN C CONLEY	BEAM TUBE BAFFLE, NON-SERRATED, FABRICATION AND PORCELAIN COVERAGE DETAIL
CHKD	
ENGR	
APPD	
APPD	
SCALE: NTS	TYPE D DRAWING NUMBER D960046 SHEET 2-2 REV A

EDITION: 3/20/96