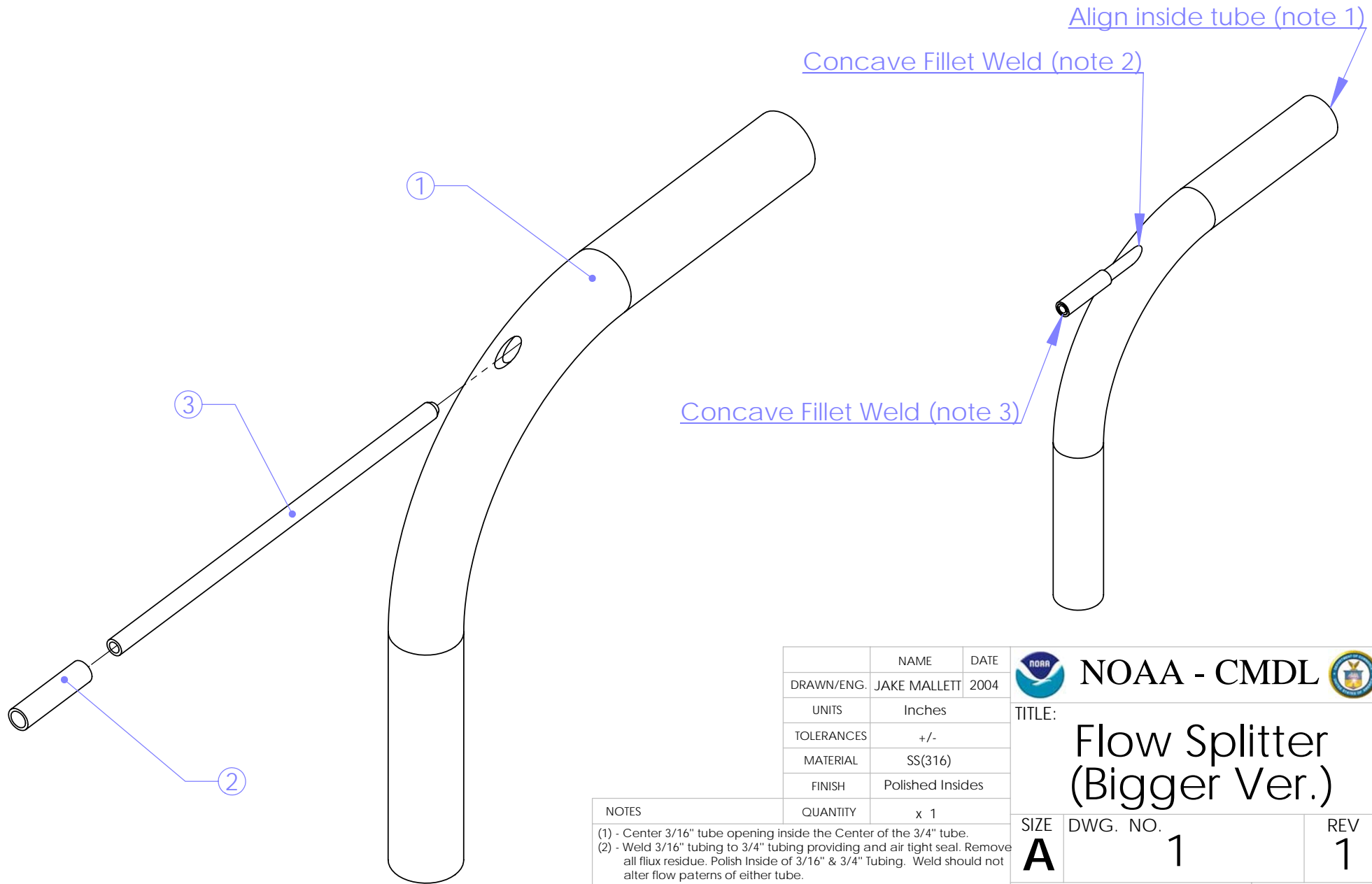


ITEM NO.	QTY.	PART NO.	DESCRIPTION
1	1	3_4in OD 5_8in ID SS316 tubing	3_16in Diam. hole drilled in side wall for Pitot tube
2	1	1_4in OD 3_16in ID SS316 tubing	1in long
3	1	3_16in OD 9_64in ID SS316 tubing	5in long with a 27deg beveled end



	NAME	DATE
DRAWN/ENG.	JAKE MALLET	2004
UNITS	Inches	
TOLERANCES	+/-	
MATERIAL	SS(316)	
FINISH	Polished Insides	
NOTES	QUANTITY	x 1

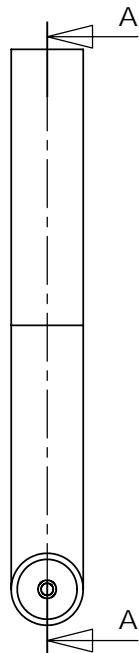
- NOTES
- (1) - Center 3/16" tube opening inside the Center of the 3/4" tube.
 - (2) - Weld 3/16" tubing to 3/4" tubing providing and air tight seal. Remove all flux residue. Polish Inside of 3/16" & 3/4" Tubing. Weld should not alter flow patterns of either tube.
 - (3) - Weld the 1/4" tube to the 3/16" tube applying the previous stated criteria.



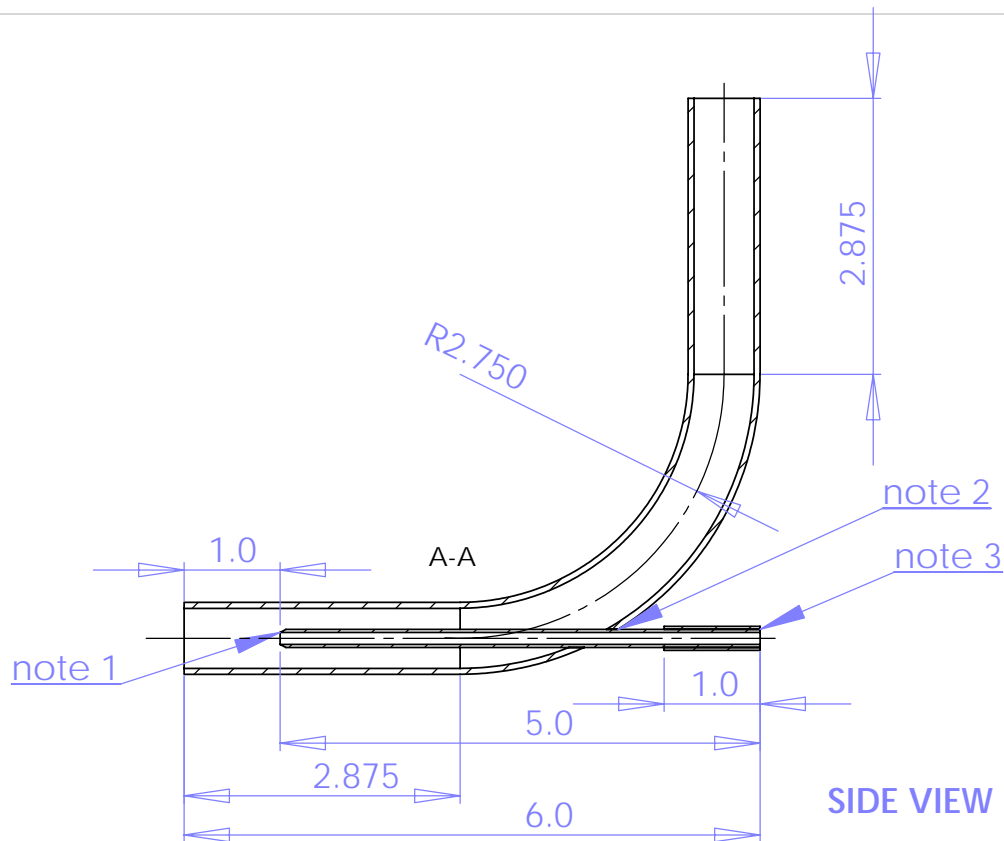
TITLE: **Flow Splitter (Bigger Ver.)**

SIZE **A** DWG. NO. **1** REV **1**

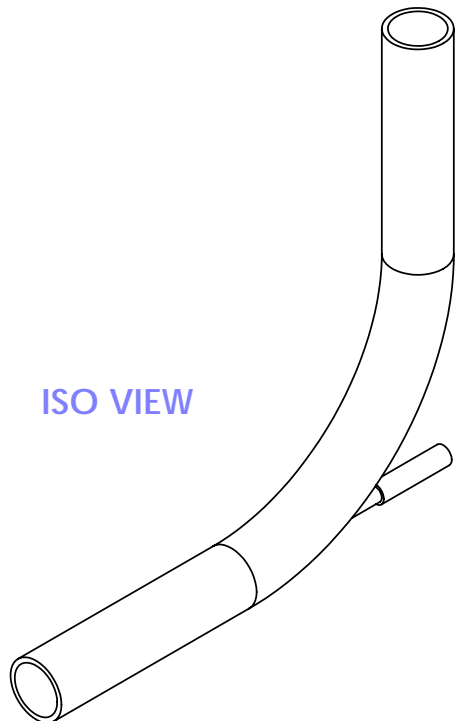
SCALE: 1: 3/4 & 1:1 SHEET 1:5



INLET VIEW



SIDE VIEW



ISO VIEW

	NAME	DATE
DRAWN/ENG.	JAKE MALLET	2004
UNITS	Inches	
TOLERANCES	+/-	
MATERIAL	SS(316)	
FINISH	Polished Insides	
NOTES	QUANTITY	x 1

- (1) - Center 3/16" tube opening inside the Center of the 3/4" tube.
- (2) - Weld 3/16" tubing to 3/4" tubing providing and air tight seal. Remove all flux residue. Polish Inside of 3/16" & 3/4" Tubing. Weld should not alter flow patterns of either tube.
- (3) - Weld the 1/4" tube to the 3/16" tube applying the previous stated criteria.



NOAA - CMDL



TITLE:

Flow Splitter
(Bigger Ver.)

SIZE
A

DWG. NO.

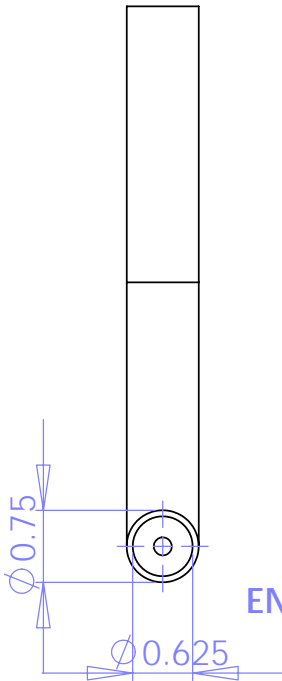
1

REV

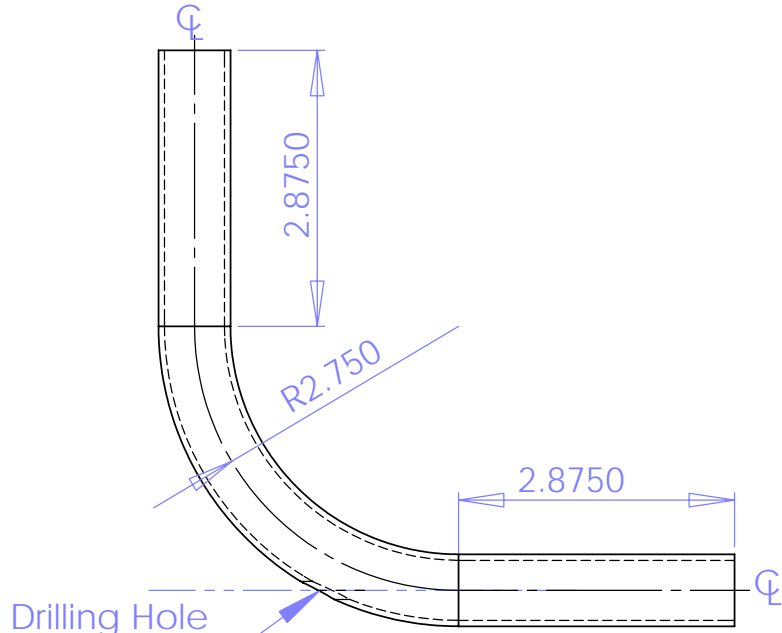
1

SCALE: 1: 2

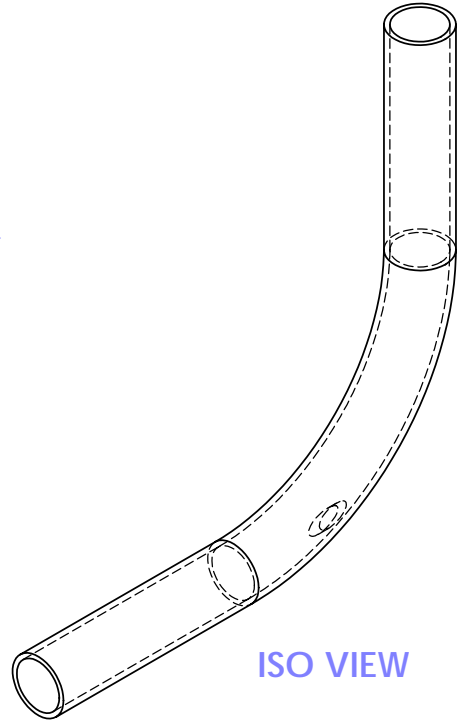
SHEET 2:5



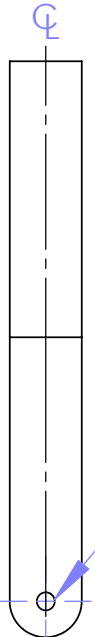
END VIEW



SIDE VIEW



ISO VIEW



BACK VIEW

$\varnothing 3/16"$ Hole at a 0.0° from the Horizontal \varnothing (See SIDE VIEW For Drilling Orientation)

	NAME	DATE
DRAWN/ENG.	JAKE MALLET	2004
UNITS	Inches	
TOLERANCES	+/- .01	
MATERIAL	SS(316)	
FINISH	Polished Insides	
NOTES	QUANTITY	x 1

Reaming the 3/16" hole for best fit and orientation of the 3/16" Diam. tube might be desired

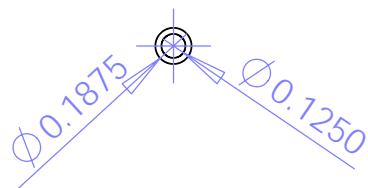
NOAA - CMDL

TITLE:
3/4" SS Flow Splitter Tube

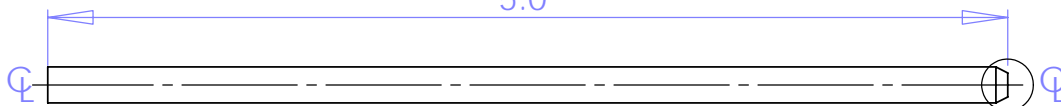
SIZE	DWG. NO.	REV
A	1	1

SCALE: 1:2 SHEET 3:5

INLET END VIEW

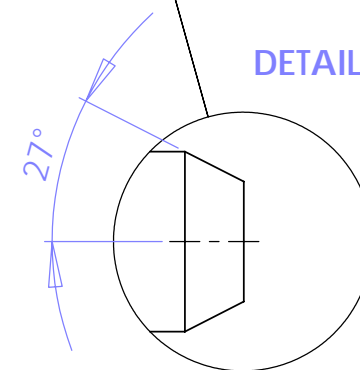


5.0



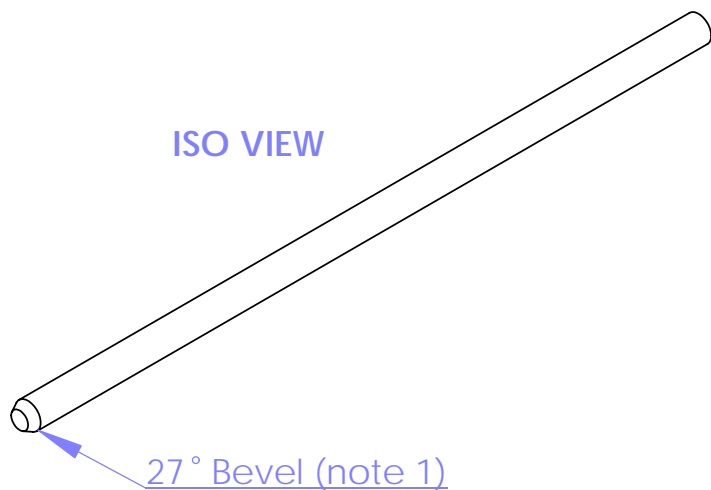
SIDE VIEW

DETAILED VIEW



A (5 : 1)

ISO VIEW



	NAME	DATE
DRAWN/ENG.	JAKE MALLET	2004
UNITS	Inches	
TOLERANCES	+/- .005	
MATERIAL	SS(316)	
FINISH	Polished Insides	
NOTES	QUANTITY	x 1

An Approximate 27deg Bevel onto inlet end of 3/16" tube forming a sharp Edge (see Detail A)



NOAA - CMDL



TITLE:

3/16" SS Flow
Splitter Tube

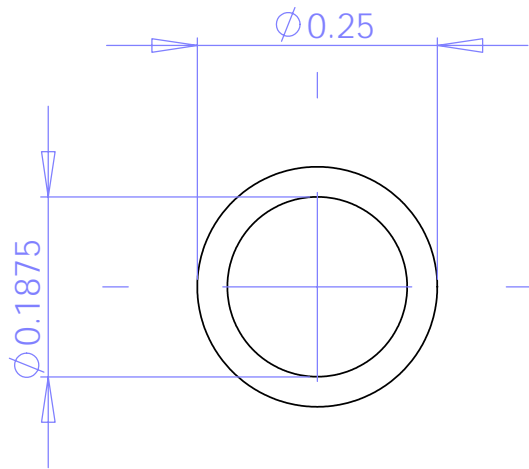
SIZE
A

DWG. NO.
1

REV
1

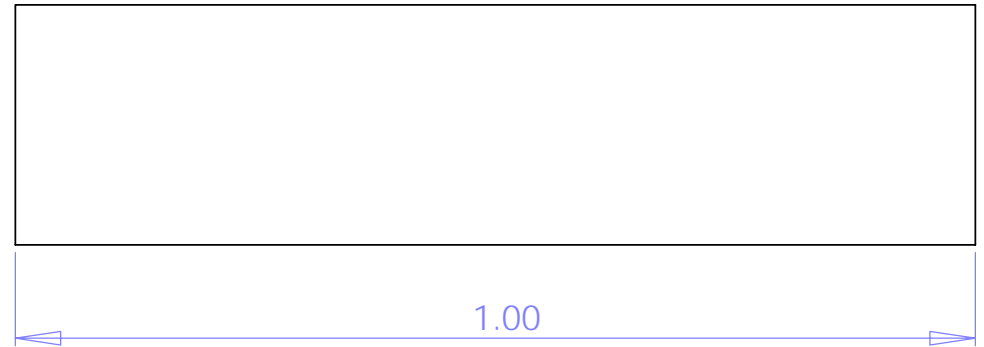
SCALE: 1:1

SHEET 4:5

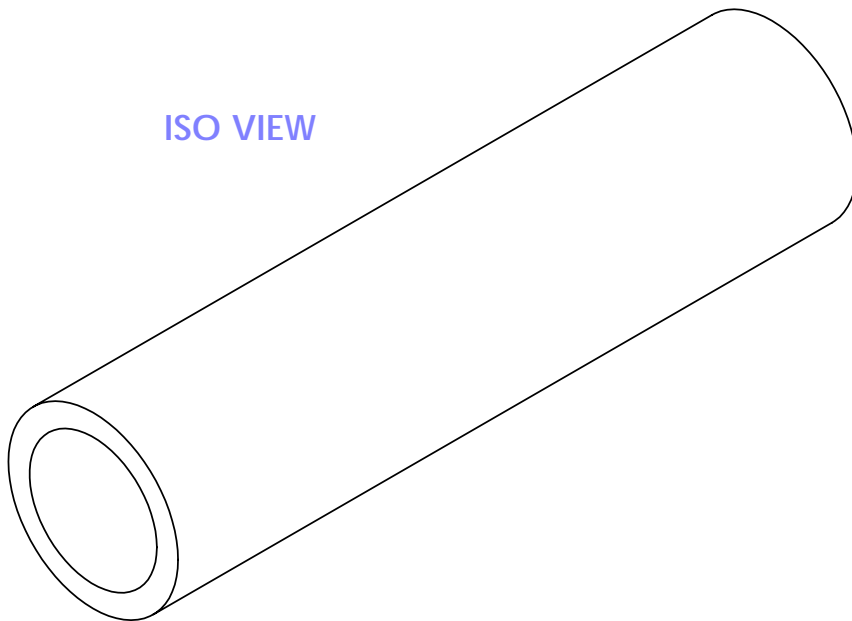


END VIEW

SIDE VIEW



ISO VIEW



	NAME	DATE
DRAWN/ENG.	JAKE MALLET	2004
UNITS	Inches	
TOLERANCES	+/- .01	
MATERIAL	SS(316)	
FINISH	none	
NOTES	QUANTITY	x 1



NOAA - CMDL



TITLE:

1/4" SS Flow
Splitter Tube Tip

SIZE
A

DWG. NO.
1

REV
1

SCALE: 5:1

SHEET 5:5