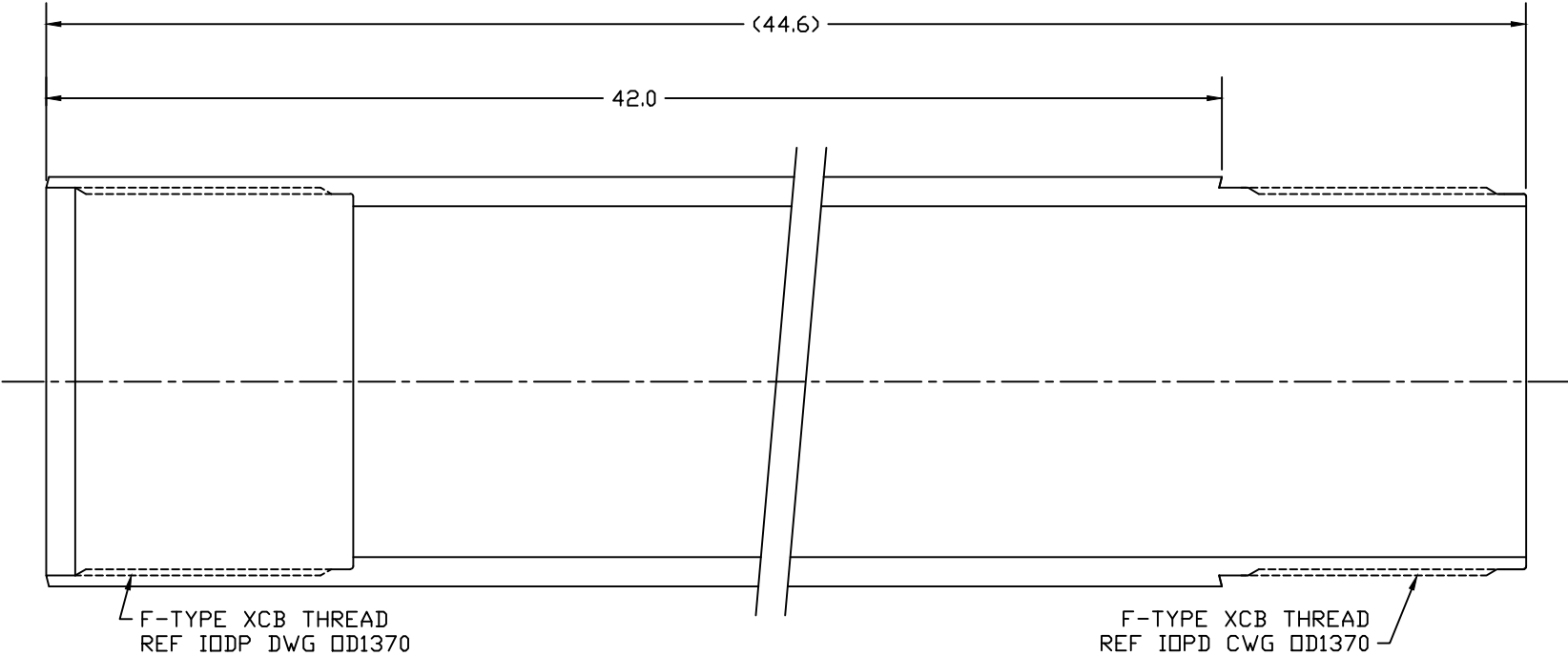


REVISIONS				
NO	DESCRIPTION	DATE	BY	APR/DATE
1	CHG'D SHOULDER TO SHOULDER LENGTH FROM 42.6 TO 35	22OCT11	TP	TomP/22OCT11
2	CHG'D SHOULDER TO SHOULDER LENGTH FROM 35 TO 42	9AUG12	TP	TomP/9AUG12



NOTES:
 1) ALT MATL #1 - 3.5 OD X 3.0 ID STEEL MECHANICAL TUBING
 ALT MATL #2 - IODP XCB CORE BARREL

MATERIAL: 3.5 OD X 3.0 ID 4130/40 STEEL TUBING
 HEAT TREAT: COMM HT
 SURF TREAT: NONE

TOLERANCES: UNLESS OTHERWISE SPECIFIED .X ± .030 .XX ± .010 .XXX ± .005 ANGLES ± .5° BREAK EDGES .015 X 45° MIN FINISH 125/		PROPRIETARY NOTICE THIS DRAWING AND THE INFORMATION IT CONTAINS ARE CONSIDERED CONFIDENTIAL AND MAY NOT BE REPRODUCED, COPIED OR USED, IN PART OR IN WHOLE, WITHOUT PRIOR WRITTEN CONSENT.		PETTIGREW ENGINEERING, PLLC 479 NINE MILE ROAD MILAM, TEXAS 75959 Tel: +979-450-0422 Email: pettigrew.engineering@windstream.net			
SHEET 1 OF 1		SCALE 1:1		TITLE OUTER BARREL SPACER SUB, MDHDS			
BY TomP		DATE 22OCT11		APPROVED TomP		CHECKED TomP	
ALL DIMS ARE IN INCHES UNLESS OTHERWISE NOTED.		SYSTEM MDHDS		ASSEMBLY 172969-100		SIZE B	P/N 172969-303
						REV. 2	