


REVISION HISTORY		
REV	DATE	DESCRIPTION
B	6/14/19	ADDED SHOULDER FOR PIPE LOCK
A	11/20/18	ISSUED FOR REVIEW

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	UNLESS OTHERWISE SPECIFIED		DRAWN BY: JDS	DATE: 6/14/19		
	ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 01" OR GR. 45° RADI		CHECKED BY:	DATE:	TITLE	
	PER ANSI Y14.5 STANDARD.				HCWI LINER - REDUCER - MACHINING	
	TOLERANCES:		APPROVED:	DATE:	IOL KEARL PLANT 2 - EXTRACTION	
	X = ±.176					
	X.X = ±.050					
	X.XX = ±.015					
	X.XXX = ±.005					
	ANGLES: ±1/2°					
125/ FINISH ON ALL MACHINED SURFACES		MATERIAL & HEAT TREAT ASTM A5342 CLASS III TYPE A				
		PROJECT No. A1-18001		REFERENCE A1-18001-100-00		REV. B
		FILE NAME A1-18001-100-05 HCWI reducer.idw				SHEET 1 OF 1