



BILL OF MATERIAL			
ITEM	ITEM QTY	PART NUMBER	DESCRIPTION
1	1	A1-19010-100-02 HCWI nozzle insert	30" HCWI NOZZLE, ASTM A532 CLASS III TYPE A, PF#

REVISION HISTORY			
REV	DATE	DESCRIPTION	INITIALS
1	1/10/20	BORE WAS CONCENTRIC	GVD
0	12/30/2019	ISSUE FOR REVIEW	BEM

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	UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. BREAK ALL SHARP EDGES 0.01" OR 0.04" RADIUS PER ANSI Y14.5 STANDARD.	DRAWN BY: BEM	DATE: 12/30/2019	
	TOLERANCES: X = ± 1/16 X.X = ± .030 X.XX = ± .015 X.XXX = ± .005 ANGLES = ± 1/2°	CHECKED BY:	DATE:	
	125/125/125 FINISH ON ALL MACHINED SURFACES	APPROVED:	DATE:	
	ASTM A532 CLASS III TYPE A	MATERIAL & HEAT TREAT	DATE:	
TITLE: 30" HCWI NOZZLE N6 - AS CAST Suncor Main Plant		PROJECT NAME: A1-19010	REFERENCE: A1-19010-100-02 (machining)	REV. 1
DWG. / PART NO. A1-19010-100-02 HCWI nozzle insert casting		SHEET 1 OF 1		