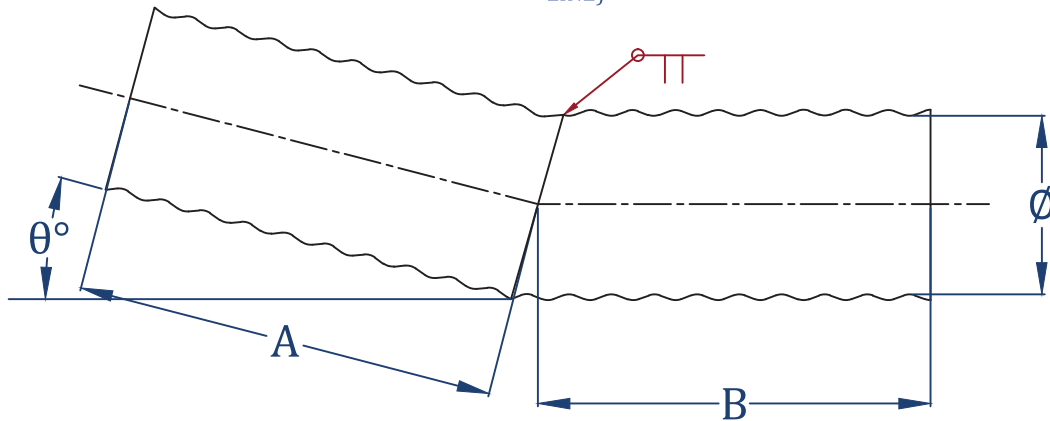


NOTE: LENGTH OF PIPE NEEDED TO FABRICATE ELBOW = A + B (CENTER LINE)



BOM				
NO.	QTY.	PART NO.	DESCRIPTION	MATERIAL
1	1		PIPE	ϕ _____" x _____' _____G.

DIMENSIONS TABLE		
NO.	UNIT	DIMENSION
A	LF	
B	LF	
ϕ	IN	
θ°	DEGREES	

NOTE:

1. ALL WELDS MUST BE REPAIRED (PER ASTM 760)
2. FOR ALL ELBOWS FABRICATED FROM ANNULAR PIPE PLEASE NOTE INSTALLED ELBOW ORIENTATION BELOW:

VERTICAL HORIZONTAL

SALES PERSON _____

DESCRIPTION: UNIVERSAL ELBOW	PART NO: SEE ABOVE
DRAWN BY: C. HOMAN	MATERIAL: SEE ABOVE
DATE: JAN 30, 2012	SHEET NO: 1 OF 1



CUSTOMER APPROVAL SIGNATURE _____ DATE _____

5	REVISED NOTES E2015-0312	DMA	08-07-15	DRAWING IS NOT TO SCALE	TOLERANCES	THIS DESIGN IS PROPERTY OF TRUENORTH STEEL. DUPLICATION WITHOUT WRITTEN PERMISSIONS IS STRICTLY PROHIBITED
4	REVISED LAYOUT ECN-157	CH	01-26-12	ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED	X.X ± 0.5"	
3	REVISED ECN-107	CH	09-07-11	ALL WELDS MUST BE REPAIRED AFTER FABRICATION (PER ASTM 760)	X.XX ± 0.25"	
2	INITIAL RELEASE ECN-013	CH	08-09-11	PIPE LENGTHS HAVE A TOLERANCE OF ± 2"	X.XXX ± 0.13"	
1	RELEASED FOR APPROVAL	CH	08-09-11	PIPE DIAMETERS HAVE A TOLERANCE OF THE GREATER OF ± 1/2" or 1%		
NO.	REVISION	BY	DATE	ALL ANGLES HAVE A TOLERANCE OF ± 3°		