



BILL OF MATERIAL

ITEM	SIZE	CODE	Q'TY	DESCRIPTION
				<C152>
PIP	12"	5356515	9.2	PIPE STD WT ERW STL A53-B
PIP	1"	5356032	0.2	PIPE SCH 80 SMLS STL A106-B
NIPTBE	1"	5540958	1	NIPPLE SCH 80 STL A106-B TOE
ELL	12"	5374114	7	ELL 90 DEG LR STD WT STL A234 WPB
45L	12"	5374114	1	ELL 45 DEG LR STD WT STL A234 WPB
TEE	12"	5374123	2	TEE STD WT STL A234 WPB
FLG	12"	5554395	7	FLG WN 150# RF STL STD BORE A105
FLG	1"	5601738	1	FLG SW 150# RF STL XS BORE A105
SOL	12"x3/4"	5532671	1	SOCKOLET 3000# STL A105
GAS	12"	5675451	7	GASKET 150# 304 SS SPIRAL WOUND NON-ASB
GAS	1"	5675451	1	GASKET 150# 304 SS SPIRAL WOUND NON-ASB
BOL	12"	5675648	7	STUD-BOLT A193 GR B7 W/A194 GR 2H NUTS
BOL	1"	5675648	1	STUD-BOLT A193 GR B7 W/A194 GR 2H NUTS
GAT	12"	5156140	2	GATE 150# RF STL F6/STELLITED SEATS
GAT	1"	5061781	1	GATE 800# SW STL F6/STELLITED SEATS
XV	12"	-	1	ON-OFF VALVE (XV-M002)
SIL	12"	-	1	VENT SILENCER
CAP	1"	5478108	1	CAP 3000# SW STL A105

FOR

FLOW SHEET NO.	REF. DWG. NO.	MK	DATE	REVISION	DR.	CH.	APPR.	SPEC.	TEMP. OPERATING	PRESS. OPERATING	TEST PRESS.	RT.	IH.	P.P.	IC.	INSUL THK.	STM. TRACE
TPA-9T-060	CTA-JA-21029	0	06.20.12	AS-BUILT	-	-	-	C152	151.5	4.0	10.5	10%	-	-	-	4"	-

LINE NO.	COMMODITY
	-

PROJECT NO.	DWG. NO.	SHT. NO.
	001	1/1