



ID	ND	TYPE	CATEGORY
1	40	SOCKETWELD	FABRICATION-TIE
2	40	SOCKETWELD	FABRICATION-TIE
3	40	SOCKETWELD	FABRICATION-TIE
4	40	SOCKETWELD	FABRICATION-TIE
5	40	SOCKETWELD	FABRICATION-TIE
6	40	SOCKETWELD	FABRICATION-TIE

REV.	DESCRIPTION	DATE	DRAWN	CHKD	APPD	INSULATION THK	SERVICE
0		08/22/24					PIPE SPEC
1		10/30/24					MAX PRESSURE
							MAX TEMPERATURE
							P&ID DWG
							INSULATION SPEC

BILL OF MATERIALS									
ID	QTY	ND	SCH/CLASS	DESCRIPTION					
1	1.0M	40	80	PIPE, SEAMLESS, SCH80, PE, ASME B36.10, ASTM A333 GR 6					
2	2	40	3000	ELL 45, 3000 LB, SW, ASME B16.11, ASTM A350 GR LF2					
3	2	40	300	FLANGE SW, 300 LB, RF, ASME B16.5, ASTM A350 GR LF2					
4	12	20X89	300	BOLT SET, RF, 300 LB, STUD BOLT					
5	3	40	300	GASKET, SWG, 1/8" THK, RF, 300 LB, ASME B16.20, CS/GRAPHITE					
6	1	40	300	BALL VALVE, LONG PATTERN, 300 LB, RF, ASME B16.10, ASTM A350 GR LF2					
7	1	40		U-CLAMP					

  

CUT PIECE LIST				
ID	LENGTH	ND	END1	END2
1	562MM	40	SQUARE CUT	SQUARE CUT
2	211MM	40	SQUARE CUT	SQUARE CUT
3	196MM	40	SQUARE CUT	SQUARE CUT

- NOTES:
1. ALL TAPPED BRANCHES TO INCLUDE TWO (2) GUSSETS LOCATED 90 DEGREES APART.
  2. ALL SUPPORT WELDS SHALL BE CONTINUOUSLY WELDED.
  3. MATERIAL TEST REPORTS ARE REQUIRED.
  4. CHARTER IMPACT TESTS FOR LOW TEMP. MATERIALS ARE REQUIRED FROM EITHER THE MANUFACTURER OR FABRICATOR.
  5. 5% RADIOGRAPHIC EXAMINATION IS REQUIRED FOR EACH WELDER.
  6. WELDER LOG SHALL BE PROVIDED FOR INSPECTION.
  7. SQUARENESS OF ALL JOINTS SHALL FOLLOW TOLERANCE ALLOWABLE LIMITS.

PROJECT NAME:  
**MPE007**

TITLE:  
**61202-2**

DRAWING NUMBER:  
**61202-2**

LINE NO:  
**61202**

JOB NUMBER:  
**N.T.S.**