



ID	ND	TYPE	CATEGORY
4	40	BUTTWELD	FABRICATION-ITEM
3	40	BUTTWELD	FABRICATION-ITEM
2	40	BUTTWELD	FABRICATION-ITEM
1	40	BUTTWELD	FABRICATION-ITEM

REV.	DESCRIPTION	DATE	DRAWN	CHKD	APPD	SERVICE	PIPE SPEC	MAX PRESSURE	MAX TEMPERATURE	P&ID DWG	INSULATION SPEC	INSULATION THK
0		08/13/24										
1		10/30/24										

BILL OF MATERIALS

ID	QTY	ND	SCH/CLASS	DESCRIPTION
PIPE				
1	0.4M	40	80	PIPE, SEAMLESS, SCH80, PE, ASME B36.10, ASTM A333 GR 6
FITTINGS				
2	1	40	80	ELBOW 90 LR, SCH 80, BW, ASME B16.9, ASTM A420 GR WPL6
3	1	40	80	ELBOW 90 LR, SCH 80, BW, ASME B16.9, ASTM A420 GR WPL6
FLANGES				
4	1	40	80	FLANGE WN, SCH 80, 300 LB, RF, ASME B16.5, ASTM A350 GR LF2
FASTENERS				
5	4	20X89	300	BOLT SET, RF, 300 LB, STUD BOLT
6	1	40	300	GASKET, SWG, 1/8" THK, RF, 300 LB, ASME B16.20, CS/GRAPHITE

ID	LENGTH	ND	END1	END2
1	174MM	40	BEVEL	BEVEL
2	179MM	40	BEVEL	BEVEL

- 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. CHARPY 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:
MPE007

DRAWING NUMBER:
61201-3

LINE NO:
61201

JOB NUMBER:
61201

SCALE:
N.T.S.

SHEET:
3 OF **5**

REV:
1