



- NOTES:
- ALL DIMENSIONS IN mm U.N.O.
  - ALL FLANGE BOLT HOLES TO BE 2 HOLE CENTER U.N.O.
  - SLIP-ON FLANGE SET BACK AS PER "DETAIL A".
  - ALL PIPE AND FLANGE SURFACES SHALL BE FREE FROM WELD SPATTER AND ARC STRIKES.
  - ALL WELDING SHALL BE CLEAN AND FREE OF WELDING SLAG.
  - PEENING MARKS ON WELD AND PIPE SURFACES ARE NOT ACCEPTABLE.
  - PIPE INTERNALS SHALL BE CLEANED AND SEALED I.A.W. DAVIE SHIBUILDING APPROVED METHODS.
  - REF. SHOP WPS, SM-FC-11-0001 (BUTT WELDS), & SM-FC-11-9002 (FLANGE JOINTS & SOCKET WELDS).
  - ALL MISSING MATERIAL REF. NO.S TO BE UPDATED BY CDCI IF NEEDED

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MATERIAL LIST

No.	DESCRIPTION	NPS	QTY	UNIT	MATERIAL REF.
1	PIPE ASME B36.10M PE SMLS SCH80 ASTM A106 GR.B	150	2315	mm	2639-E0006-13.28
2	FLANGE SO ANSI B16.5 CL150 FF ASTM A105	150	3	ea	2639-E0006-13.11
3	ELBOW 90DEG SR ANSI B16.9 BW SCH 80 ASTM A234 WPB	150	2	ea	
4	TEE ANSI B16.9 BW SCH80 ASTM A234 WPB	150	1	ea	2639-E0006-13.25

PIPE CUT LIST

No.	LENGTH	NPS	REMARKS	END PREP
1	224	150		PE/BE
2	150	150		BBE
3	250	150		PE/BE
4	387	150		PE/BE
5	1304	150		PE/BE

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REVIEWED  
Details of this review are as indicated in the ABS letter

REVIEWED  
on behalf of the government of the vessel's registry as indicated in ABS letter

MAKE UP SPOOL

SPOOL TO BE HOT DIPPED GALVANIZED AFTER FABRICATION

1	2022/03/07	RE-ISSUED FOR CONSTRUCTION	MB	RS	TB
0	2022/02/28	ISSUED FOR CONSTRUCTION	MB	RS	TB
REV	DATE	DESCRIPTION	DWN	CHK	APP
AMS PROJECT No: 0060		PID No: 6005-401-001	NDE SPEC: 100% VIS/10% MPI		REF WPS: SEE NOTE 8
CLIENT PROJECT No: 2639		LINE No: N/A	HYDROTEST PRESSURE: 200 psi		PAINT SPEC: HDG ASTM A123
FLUID CODE: BWS		PIPE CATEGORY: III	HYDROTEST MEDIUM: WATER		INSULATION SPEC: N/A
PIPING FABRICATION SPOOL DRAWING					SIZE: A3
SPOOL No: 80304-SPL-0004		DWG No: 2639-AMS-E06-80304-SPL-0004-001			REV: 1