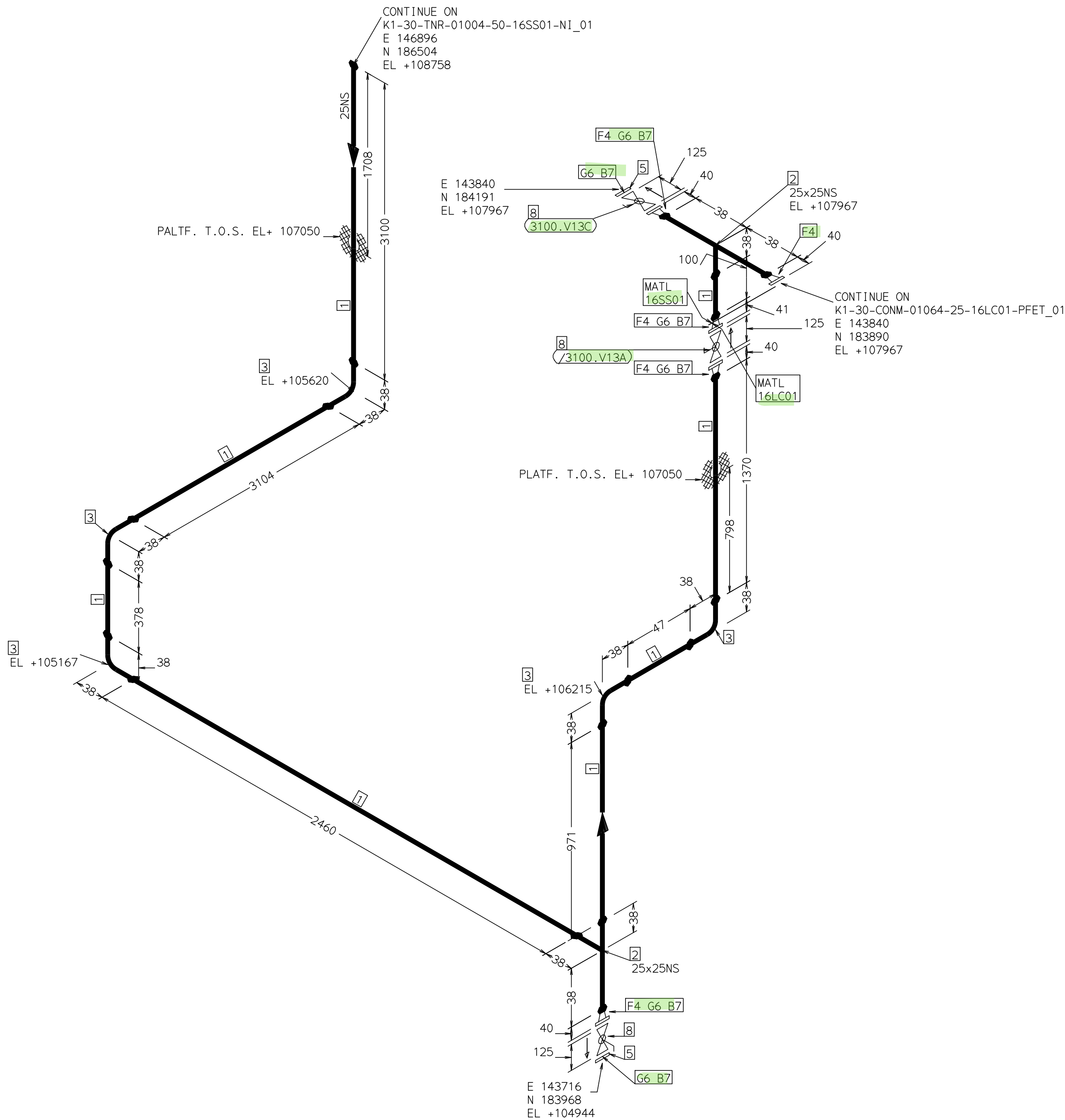




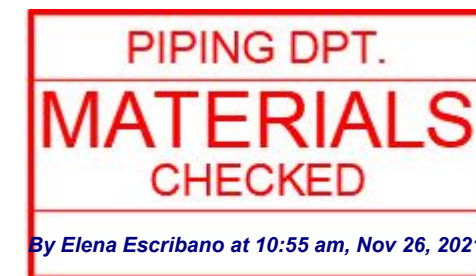
ISOMETRIC IFC - CHECK LIST

Line Number	30-TNR-01027-25-16SS01-NI	Stress CN / Level	Nº	Level:	<div><div>FMC</div><div>An Agricultural Sciences Company</div></div> <div>T.EN – FMC - RØNLAND BIXLOZONE PROJECT</div> <div>800178</div>
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MATERIAL LIST - FABRICATION				
PT NO	N.S. (MM)	DESCRIPTION	IDENT	QTY
1	25	Pipes (Length), EN 10220, BE, Seamless, Serie 1/2MM EN 10216-5 Gr.X2CrNiMo18-14-3,	C46HA5JT	11.6M
2	25 x 25	Eq Te, EN 10253-4 Type A, BW Ends, Seamless, -, /2MM EN 10253-4 Gr.X2CrNiMo18-14-3,	C46HAHM1	2
3	25	90Å Elb LR, EN 10253-4 Type A, BW Ends, Seamless, Type 3D/2MM EN 10253-4 Gr.X2CrNiMo18-14-3,	C46HAGL8	5
4	25	WN Flg, EN 1092-1, RF/BW End, PN 40, Type 11, B1/2MM EN 10222-5 Gr.X2CrNiMo18-14-3,	C46HA5YU	5

MATERIAL LIST - ERECTION				
PT NO	N.S. (MM)	DESCRIPTION	IDENT	QTY
5	25	Bld Flg, EN 1092-1, RF, PN 40, Type 05, B1/ EN 10222-5 Gr.X2CrNiMo18-14-3,	C46VGDKL	2
6	25	NM Flat Gk, EN 1514-1, RF as per EN 1092-1, PN 40, -, Thk=2mm, Conformance with TA-Luft, Type Novatec PREMIUM II or e.. Graphite Fiber Reinforced NBR,	C46GJUVN	6
7	12	60 HHx MBlt 1 HHx N&1W, ISO 4017/ISO 4032, Full Length Threaded, Wash. EN ISO 887, 42CrMo4 Galv., EN ISO 7089, Hot Dip G.. EN 10269 Gr.42CrMo4/EN 10269 Gr.C45E,	C4RJGVU8	24
8	25	Valve Code BA40SD500, ISO 17292 where applicable, RF, PN 40, EN 10222-5 Gr.X2CrNiMo17-12-2/ EN 10222-5 Gr.X2CrNiMo17-12-2,	C46WHEFN	3



Rev	Date	Description	Prep.	Chk.	Appr.

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800178 - FMC RØNLAND BIXLOZONE PROJECT					
UNIT: 30		LINE NBR.: K1-30-TNR-01027-25-16SS01-NI 01			
800178 PROJECT	K1 DESIGN AREA	30-TNR-01027 LINE ID	01 TRAIN	1/ 1 SHEET	REV

NOTES:

1. All dimension are in millimeters.
2. For line detailed data refer to process Line List 800178-000-NM-0022-001
3. For support detailed information refer to Support List 800178-000-NM-1360-001 & 800178-000-NM-1360-002
4. For PTFE lined Pipe Spool, the indicate length is the face-to-face dimension between flanges
5. For PTFE Lined Pipe, installation orientation shall be according to isometric indication of fixed and loose flanges relative position
6. For PTFE Lined Pipe, supports welded directly to the pipe shall be welded before to apply the PTFE internal lining
7. For smallbore lines (DN50) support definition and location by Mechanical contractor
8. Spooling and prefabrication of lines performed by the Mechanical contractor should consider piping adjustments

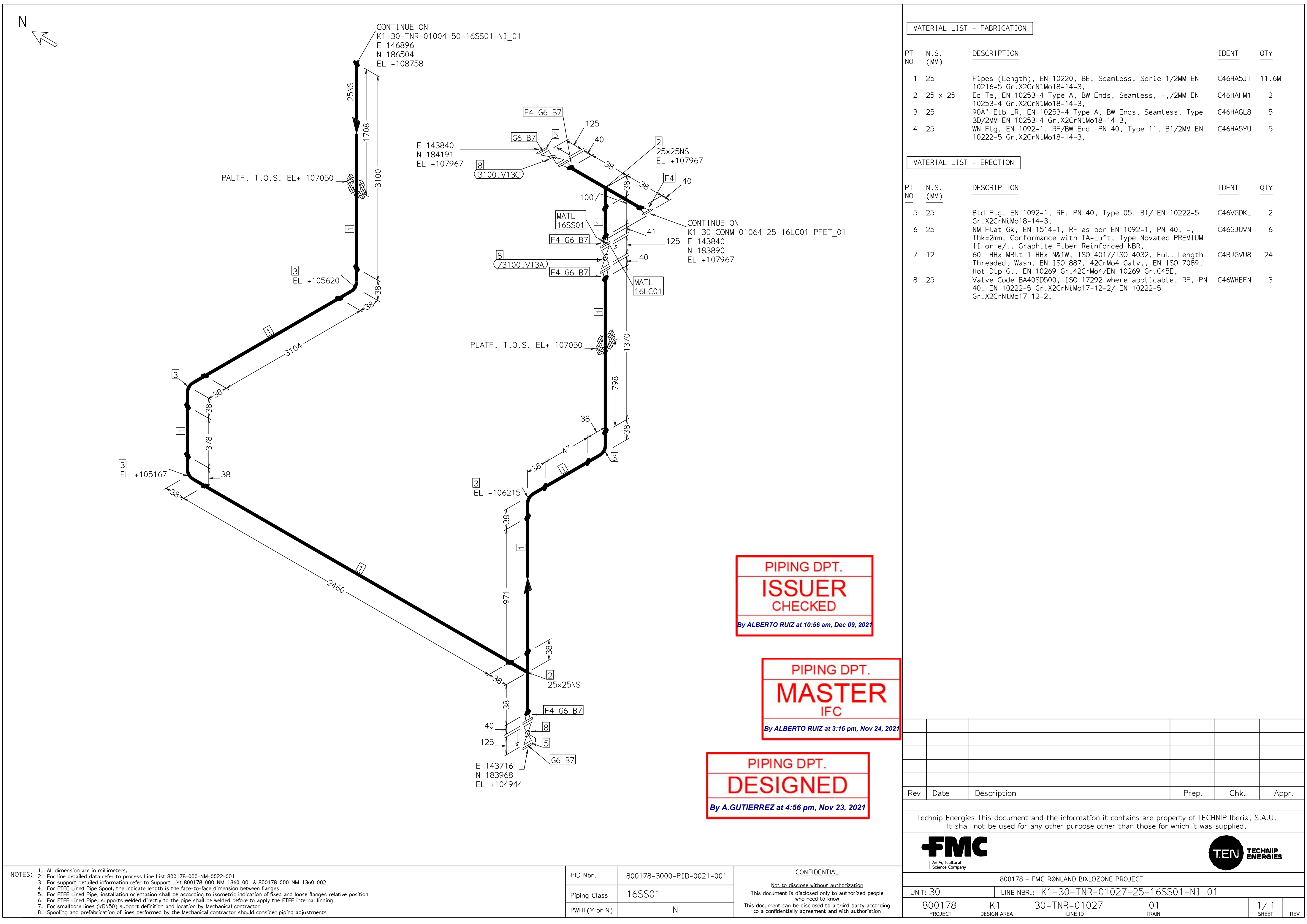
PID Nbr.	800178-3000-PID-0021-001
Piping Class	16SS01
PWHT(Y or N)	N

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PT NO	N.S. (MM)	DESCRIPTION	IDENT	QTY
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3	25	90A° Elb LR, EN 10253-4 Type A, BW Ends, Seamless, Type 3D/2MM EN 10253-4 Gr.X2CrNiMo18-14-3,	C46HAGL8	5
4	25	WN Flg, EN 1092-1, RF/BW End, PN 40, Type 11, B1/2MM EN 10222-5 Gr.X2CrNiMo18-14-3,	C46HA5YU	5

MATERIAL LIST - ERECTION

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