



NOTES:

[1] If "X" marked, a "HOLD" note should be included in the Holds area for justification.

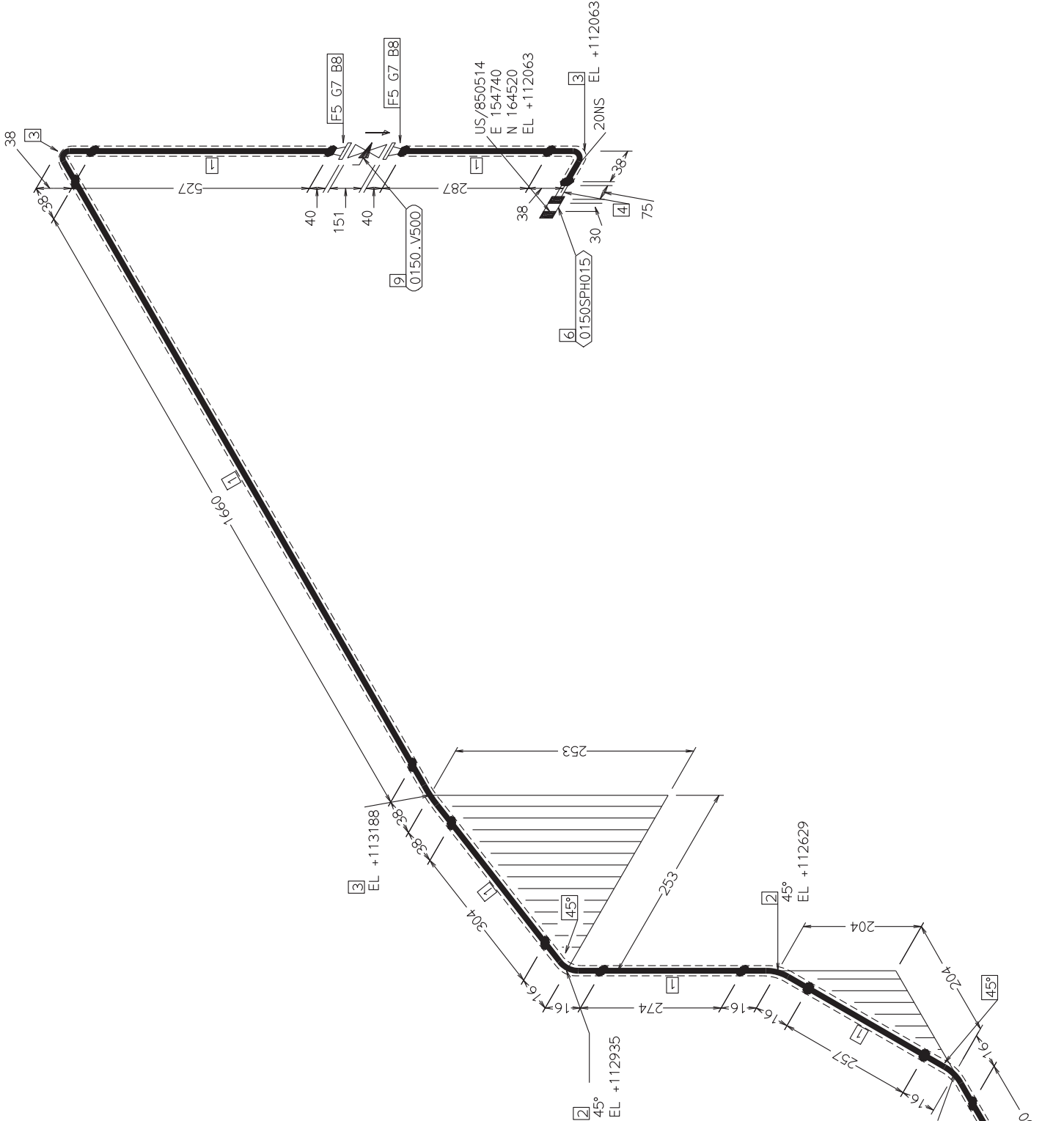
[2] 1st checking round: Checker to place a (✓) or a (X) confirming or not Designer verification. A (✓) or a (X) should also be placed to confirm or reject any (X) mark placed by the Designer confirming or not the implicit HOLD.

[3] 2nd checking round: Checker to place a (✓) to validate the points that were not confirmed in the 1st round and were corrected by respective Specialist.

[4] If an isometric with HOLD is approved by IFC Leader for issuance, the correspondent By-Pass should be attached.



CONTINUE ON
P2-01-LS-05003-80-16CS01-HC_01
E 152684
N 164630
EL +112425



- NOTES:
1. All dimension are in millimeters.
 2. For PTFE Unlined Pipe Spool, the indicate length is the face-to-face dimension between flanges
 3. For PTFE Unlined Pipe Spool, the indicate length is the face-to-face dimension between flanges
 4. For PTFE Unlined Pipe, Installation orientation shall be according to Isometric indication of fixed and loose flanges relative position
 5. For PTFE Unlined Pipe, supports welded directly to the pipe shall be welded before to apply the PTFE internal lining
 6. For PTFE Unlined Pipe, (UN60) support definition and location by Mechanical contractor
 7. For smallbore lines (UN60) support definition and location by Mechanical contractor
 8. Spooling and preabrication of lines performed by the Mechanical contractor should consider piping adjustments

E30 NAMED1-01-LS-05018-20-16CS01-HC_01

MATERIAL LIST - FABRICATION

PT NO	N.S. (MM)	DESCRIPTION	IDENT	QTY
1	20	Pipes (Length), EN 10220, BE, Seamless, Serie 1/2.6MM EN 10216-2 Gr.P235GH,	C46GHEPY	3.5M
2	20	45A° ELb LR, EN 10253-2 Type A, BW Ends, Seamless, Type 3D/2.6MM EN 10253-2 Gr.P235GH,	C46WFD9F	3
3	20	90A° ELb LR, EN 10253-2 Type A, BW Ends, Seamless, Type 3D/2.6MM EN 10253-2 Gr.P235GH,	C46WFDWN	3
4	20	Nip, Mnf Std, PE/BSPPM End, Seamless, L = 75mm, -,/4MM EN 10216-2 Gr.P235GH,	C61B6U0Y	1
5	20	WN Flg, EN 1092-1, RF/BW End, PN 40, Type 11, B1/2.6MM EN 10222-2 Gr.P245GH,	CNW05ZE	2

MATERIAL LIST - ERECTION

PT NO	N.S. (MM)	DESCRIPTION	IDENT	QTY
6	20	0150SPH015, Quick Coupling Connector, Female BSP Thread, P245GH Material, Acc to 800178-0000-NM-1350-001	C60T1W51	1
7	20	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,	C46GUUM	2
8	12	60 HHx MBlt 1 HHx N&IW, 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	8
9	20	Valve code PS40CS500 Mnf Std, RF, PN 40, H0, EN 10213 Gr.GP240GH/ EN 10213 Gr.GP240GH,	C46H74AD	1

PIPING DPT.
DESIGNED
By epaisa at 8:03 am, May 04, 2022

Rev	Date	Description	Prep.	Chk.	Appr.

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800178 - FMC RONLAND BIXLOZONE PROJECT	
UNIT: 01	LINE NBR.: D1-01-LS-05018-20-16CS01-HC_01
800178 PROJECT	D1 DESIGN AREA
01-LS-05018 LINE ID	
01 TRAIN	
1/1 SHEET	REV