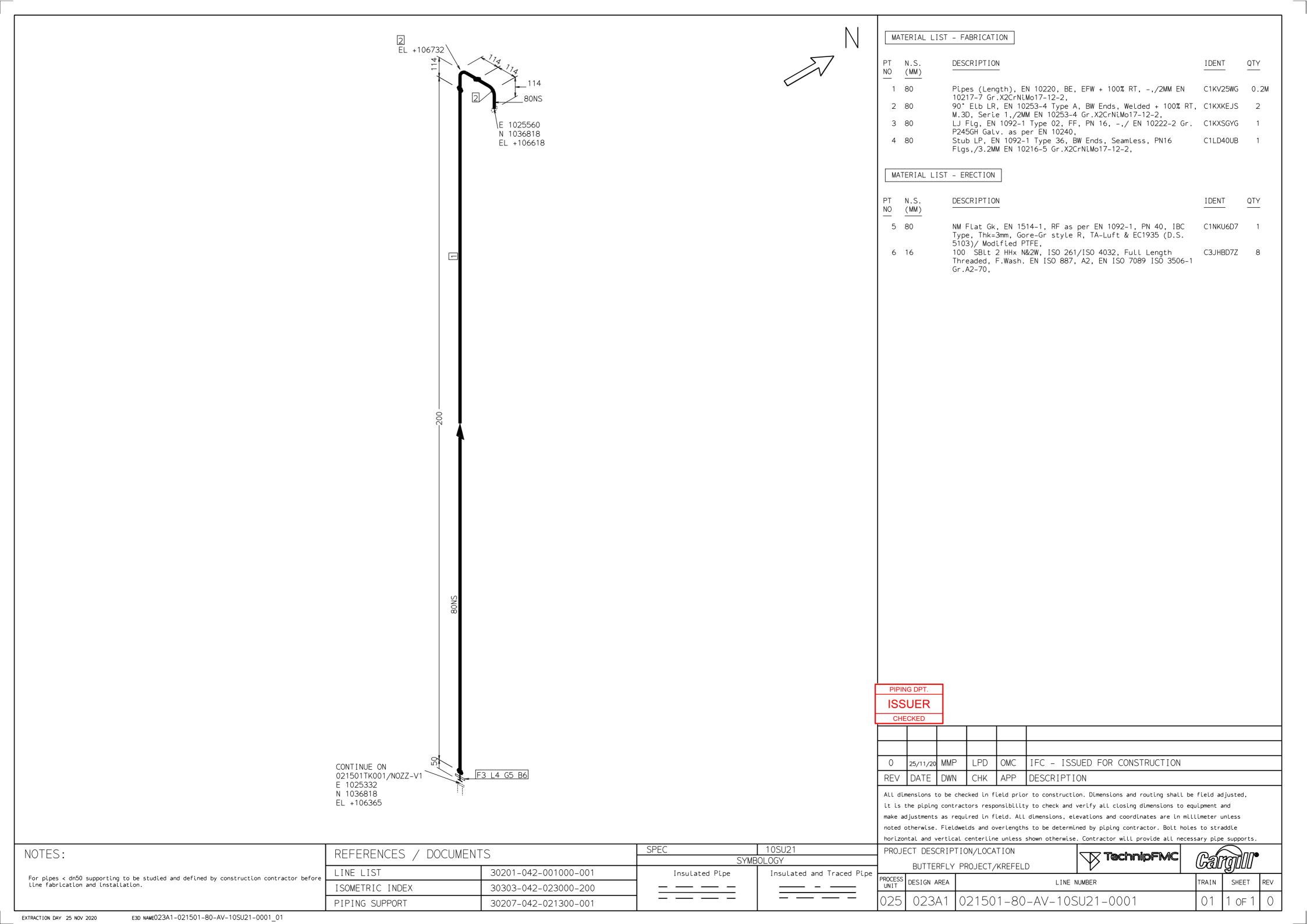
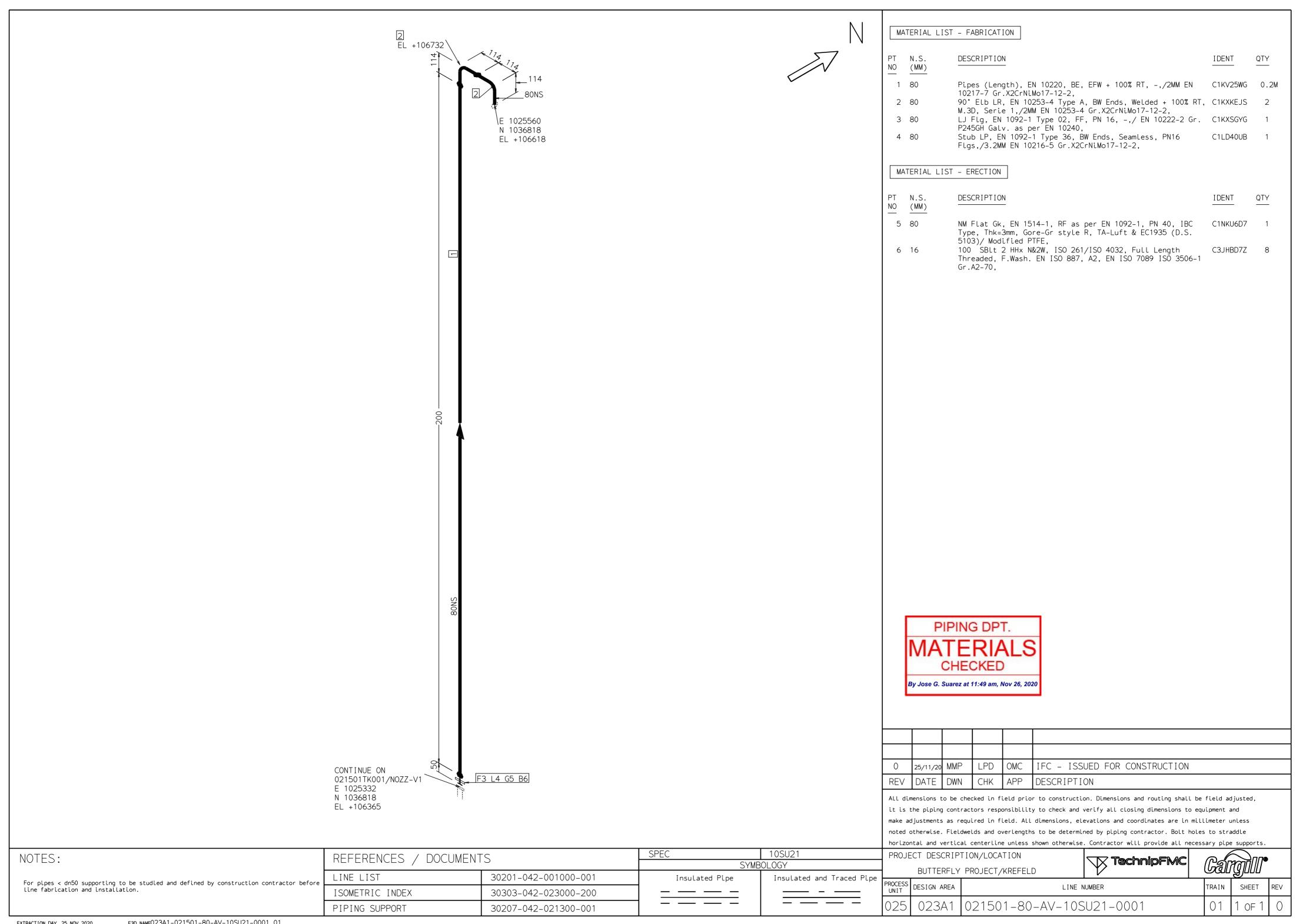


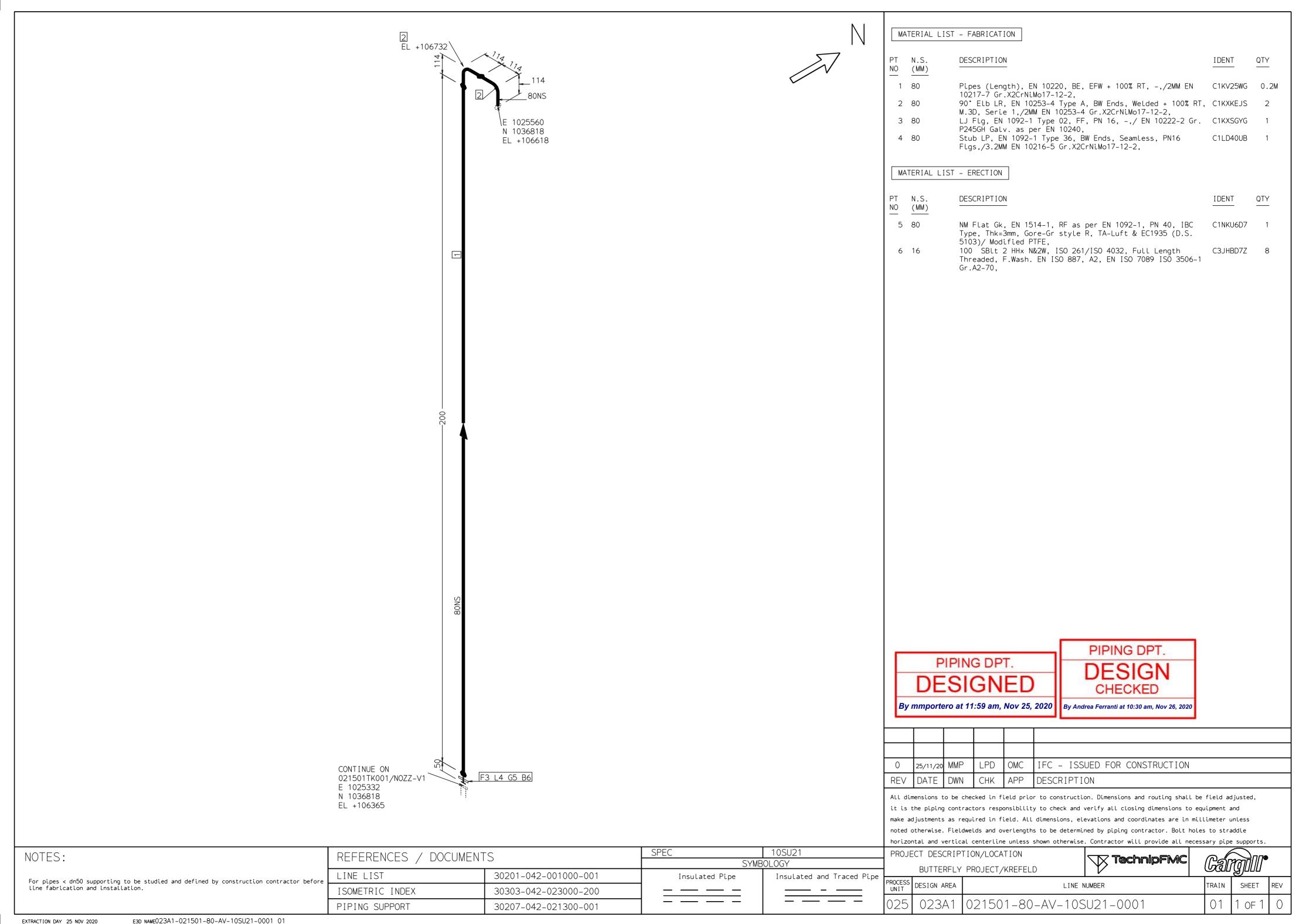
ISOMETRIC IFC - CHECK LIST

Line Number		021501AV000	01			Stress CN / Level Nº Level: I												
Isometric Number		023A1021501	1AV0001_01			Process Approval Required			YES NO			<i>Cargill[®]</i>			TechnipFMC – Butterfly Project			
						Intrumetatio	n Approval Required (N/A	YES NO				J						
	mation to be attache	ī				,	4 035 DID 0034 CG				4	, 1		HOLDS				
Master Copy of PID: PID Modification Sheet:			YES N/A		✓	Nº 800124			Rev. 1			Nº		SHORT DESCRIPTION			RESOLVED (√)	
Equipment Vendor Dwg. :		YES	✓	N/A		Nº			Rev.									
Instrument Dwg. :		YES		N/A	✓	Nº			Rev.									
Project By-Pass ⁽⁴⁾ : SPO Approved Isometric:		YES	<u>✓</u>	N/A N/A	<u> </u>	N⁰ Rev.			Rev.		-							
_	pproved Isometric:	YES			✓	Rev.			Extraction Date									
					^	VEDIEICAD	I TO BE CHECKE	n						A/	IFC	REV 0	REV 1	REV 2
<u>A VERIFICAR / TO BE CHECKED</u> Revision By : (D) Designer / (LDG) Design Leader / (ST) Stress Specialist / (LST) Stress Leader /												" N/A " NO APLICA / NOT APPLICABLE		✓				
		(SP) S	Supports Spec	ialist / (l	LSP) Supports	. ,) Materials / (SL) Sp	`	IK) Issuer / (L	.) Discipline Lea	d			NO APP	✓	X ⁽¹⁾	1st-Chk ⁽²⁾	2nd-Chk (3)
	A10 1 1/ /	DID II I			. 515		(D) Designer / (LDG) Desi	ign Leader						I	By:	: D	•	LDG
uo.			de líneas / Line No			st									V		V	
Information	Datos de la línea según lista de líneas / Line data according to line list Clase de tubería según PID y Lista de Líneas / Piping class according to PID and Line List														•			
lso Info	Vinculo E3D con Diagrams (Process Unit, Temp Operación, Numeracion TODAS válvulas manuales) / Link between E3D and Diagrams (Process Unit, Op Temp, ALL manual valves Tagged)														•			
sı	Diámetro de la línea indicado en número de línea en el cajetin / <i>Line diameter indicated in the line number in the title block</i>																	
				ıra generar	r isométrica IFC / E	quipment model	lled according Vendor dra	wing valid for Is	ometric IFC gene	ration					*		✓	
ent	Código / Code: 2		un BID v plana Vana	dor / Nome	of north accordin	a to BID and Va	nder drewing								-			
Equipment		Nombre de tubuladuras según PID y plano Vendor / Name of nozzle according to PID and Vendor drawing Rating y diámetro de tubuladuras según plano Vendor / Rating and diameter of nozzles according to vendor drawing																
Ĕ	Rating y diametro de tubuladuras segun plano Vendor / Rating and diameter of nozzles according to vendor drawing Posición y elevación de tubuladuras según plano Vendor / Position and elevation of nozzles according to Vendor drawing																	
Revision By : (D) Design Leader												By:	: D	By:	LDG			
	Línea sin colisión	(verificació	n incluyendo la nut	oe de punto	os) / Line is clash f	ree (checked inc	luding points cloud)								V		V	
	Comentarios de S	PO a líneas	s críticas recibidos	e impleme	ntados antes de ex	tracción final pa	ra emisión / <i>Process com</i>	ments to critica	l lines received ar	nd implemented before	e final ext	traction	for issuance	V				
			sta de Lineas / Che											,	*			
							itra hoja de la isométrica e ach end of the line and its l				/aciones	y coord	denadas /		•			
	Verificación contra			ios pondi	anto, contido do flu	io numoración d	de instrumentos, cambios	do osposificaci	ón cumplimiente	do notos / in lino com	nononte	includo	d branch		V			
_			on, instrument numi					de especificació	on, campilmiento	de notas / In-line comp	oonents i	molade	u, branch		•			
Design	Verificación contra Longitudes reque			quipos, dis	stancias y/o elevaci	ones mínimas o	máximas requeridas, for	mación de conc	lensados / <i>Requi</i> i	ed inlet and/or outlet l	engths to	o equipi	ments,		V		V	
Line [ces and/or elevation							floor to a describe of front and							•	
			· · · · · · · · · · · · · · · · · · ·				trumentation comments re endor Drawings or Hook-u		plemented before	final extraction for issu	iance							
							f control valves and safety		nent installation ac	cording to hook-up								
	Picajes según tabla de picajes correspondiente / Branch configuration according to correspondent branch table													V	•		_	
	Venteos y drenajes de Procesos según requerimientos de PIDs y de puntos altos y bajos para prueba hidrostática y modelados según "assembly" correspondiente / Process v ents and drains according PID requirements and high and low points for hydrostatic test and modelled according proper assembly																	
	Verificación de dis	stancia míni	ima entre soldadura	as / Check	minimum distance	between welds											V	
Ш	Notas explicativas	adicionale	es incorporadas / A	dditional cl											*		V	
	El aflavila da atras		la na aaté nandiant			,	Stress Specialist / (LST)							I	Ву:	ST	Ву:	LST
El cálculo de stress disponible no está pendiente de revisión en curso / Available stress calculation is not awaiting for revision Los requisitos según el cálculo de stress están incorporados (si son aplicables) / Stress calculation requirements have been added (if applicable)																		
Revision By : (SP) Supports Specialist / (LSP) Supports leader													By:	SP	By:	LSP		
	La línea está sopo	ortada por c	completo y la lista d	e soportes	s está actualizada e	n el exel extraíd	lo del E3D / Line is comple	etely supported	and support list ι	pdated according file	from E3L	D						
	Concepto de sopo	orte y separ	ación máxima entre	e soportes	/ Support concept	and support spa	ns											
orts	Requerimientos d with stress specia		estan de acuerdo a	l cálculo d	le stress y ajustado	s con el especia	llista de Stress / Support r	requirements ac	ccording to stress	calculation note are in	cluded a	ınd adju	isted jointly					
Suppor			soportes / Supports	correctly r	numbered													
	Código de soporte	es correctar	mente indicados (S	TD - SPC -	- COM - MRS - PRI	=) / Support code	e correctly indicated (STD	- SPC - COM -	MRS - PRF)									
	Marcado de eleme	entos solda	dos de los soportes	s en Iso Sp	oool preliminar corr	espondiente / Ma	lark-up of welded supports	s components ir	n the corresponde	nt preliminary Iso Spo	ol			N/A				
	La Linea pertence	a alguna o	varias categorias	de Criticida	ad La Linea está l		evision By : (M) Materials a de Lineas Críticas de Ma	atoriales Sus is	cometricas requie	ren Verificacion evahu	etiva / T	he Line	helongs to		Ву	: M		I
	some or several c	ategories o	of Criticality. The Lin	ne is listed	in the Critical Mate	rial Lines List. T	he isometrics require exal	hustive verificat	tion			.5 =1116		N/A				
							lo de materiales / All mate								*			
ials							de especiales de tubería pecial Piping Material List							N/A				
Materials	Nº de identificació	n de válvul	as manuales (segú	n PID)/ Ide	entification number	of manual valve	(according to PID)							N/A				
	Todas las juntas y	pernos col	locadas según tipo	requerido	(RF, FF, Bolts, Ma	chine Bolts) / All	l gaskets and bolts placed	l according requ	iired type (RF, FF	, Bolts, Machine Bolts,)				*			
	Extensión de vola	nte de válvi	ula modelada y refl	ejada en li	sta de materiales d	e la isométrica /	Valves axis extension mo	odelled and refle	ected in Isometric	ВОМ				N/A				
Ш	Válvulas colocada	s según Pl	D y Piping Class /	Valves plad	ced according PID	an Piping Class								N/A				
						Re	evision By : (CHK) Issuer							I	4	By: (a (3)
															1st-C	Х	2nd- √	Chk ⁽³⁾
	La isométrica veri	ficada por F	Procesos (SPO) se	correspon	de a la última revis	ión / The isomet	tric verified by Process (SI	PO) correspond	ls to its last revision	on								
šck	La isométrica veri	ficada por I	nstrumentación (SI	T) se corre	esponde a la última	revisión / The is	sometric verified by Instrui	mentation (SIT)	corresponds to it	s last revision								
al Check			rporadas en las iso															
Final			·				ion of documents for chec	king are still the	e latest available						V			
			echa son correctos					dod == :#=	<i>a</i>									
			· · · · · · · · · · · · · · · · · · ·				been checked to be included	aea or discarde	a									
	riorus resueltos o	en su detêt	cto By-Pass aproba	AUU / MOIds	resolved of Instea	u by-rass appro		216111							V			
			VED.			T		SIGNATURE	ES (Name and	d date)								
DESIG	ON LEADER (LD)	REVIEW By Andrea	/ED Ferranti at 10:29 am, Nov	v 26, 2020			SUPPORTS LEADER (LSP) ISSUER							(CHK)	REVIEWED By Emilio at 5:16 pi	m, Dec 04, 2020		
STRE	STRESS LEADER (LST)			-	MATERIALS (M) REVIEWED By Jose G. Suarez at 11:48 am, Nov 26, 2020 DISCIPLINE I							LEAD (L)						
	NOTES:								Ly Juse G. Suarez at 11:48	·, 1407 20, 2020					<u> </u>			
	NU I ES:																	

- [1] If "X" marqued, a "HOLD" note should be included in the Holds area for justification.
 [2] 1st checking round: Checker to place a (\$\sqrt{9}\$) or a (\$X\$) confirming or not Designer verification. A (\$\sqrt{9}\$) 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 (\$\sqrt{9}\$) 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.







E3D NAME023A1-021501-80-AV-10SU21-0001_01 EXTRACTION DAY 25 NOV 2020