

ISOMETRIC IFC - CHECK LIST

Part	Line N	le Number 021402VT0001 Stress CN / Level N° EJ Level: I																
The state of the control of the co	Isome					Process Approval Required YES NO V					Cár	Cargill® TechnipFMC – Butterfly Project				t		
Marchan Marc																		
Section Sect	Infor	nation to be attach	ed:												HOLD			
March Marc	_	laster Copy of PID: YES X N/A N° 800124-024-PID-0021-001 Rev. 0 IFC №												SHORT DESCRIPTION			RESOL	VED (✔)
March Section Sectio	_																	
Company Comp	_																	
Mary Control Mary	_																	
This continue This continu																		
This is a company for the analysis of the an	SIT A	oproved Isometric:	YES		N/A		Rev.											
This is a company for the analysis of the an							A VEDI	FIGAR / TO BE	OUEOVED	•				LE /	IFC	REV 0	REV 1	REV 2
This is a company for the analysis of the an				Revisio	n Bv : (D) Designer / ((LST) Stress Le	ader /			WA" PLICA OT		✓		
Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part Part			(SI											NO A NO A N			1st-Chk (2)	2nd-Chk (3)
March Control Contro							Revisi	on By : (D) Designer	/ (LDG) Design Leader						•			l
March 1	П	Nº de línea según l	PID y lista	de líneas / Line Ni	br. accord	ing to PID and line I	list	. , ,	, ,						✓			
March 1	tion	Datos de la línea se	egún lista d	de líneas / <i>Line da</i>	nta accord	ing to line list									✓		1	
March 1	rma	Clase de tubería se	egún PID v	Lista de Líneas /	Pining cla	ss according to PID	and Line Lis	at							-			
March 1	lufe								atween E3D and Diagrams (Process Unit On Ton	on All manual valves T	'agged)					•	
Mary Control	SI														V			
Part		· · · · · · · · · · · · · · · · · · ·																
Part	¥				ara goriore		-чартоп т	odened decerang ve	shaor arawing valia for footh	on o generation					V		-	
Part	bme	Nombre de tubulad	uras segúr	n PID y plano Ven	dor / Nam	e of nozzle accordir	ng to PID an	d Vendor drawing							✓	L		<u> </u>
Part	Equi	Rating y diámetro o	le tubuladu	uras según plano \	Vendor / F	Rating and diameter	of nozzles a	ccording to vendor di	lrawing	-					*		V	
The control of the		Posición y elevació	n de tubula	aduras según plar	no Vendor	/ Position and eleva	ation of nozz	les according to Vend	dor drawing						V		V	
Compare of the Continue of t							Revisi	on By : (D) Designer	/ (LDG) Design Leader						Ву	y: D	Ву:	LDG
Marchan content (15) Section 15 Sectio		Línea sin colisión (verificaciór	n incluyendo la nu	be de pun	tos) / Line is clash t	free (checke	d including points clo	ud)						~	L		
Marchan content (15) Section 15 Sectio		Comentarios de SF	O a líneas	críticas recibidos	e implem	entados antes de e	xtracción fina	al para emisión / Prod	cess comments to critical lin	es received and imple	emented before final extr	action for issu	ıance	✓				
Company of the control of the cont										·				-			_	
Part		Correcta referencia	de la cont	tinuidad de la ison	nétrica en	líneas nuevas, líne	as existente				incluyendo elevaciones	y coordenadas	s / Correct		*		V	
Part					ing lines c	or otner isometric sn	eet in each	end of the line and its	s branches including elevation	ns and coordinates								
Page		Elementos en línea	incluidos,	secuencia de pica				ión de instrumentos,	cambios de especificación,	cumplimiento de nota	as / in-line components ir	ncluded, branc	ch sequence,		*			
The continue transverse across of continue to the continue	ᇤ	-			e class bre	eaks, notes accomp	lishment											
The continue transverse across of continue to the continue	Desi	Longitudes requerie	das de enti	rada y/o salida a e			ciones mínim	as o máximas requer	ridas, formación de condens	ados / Required inle	t and/or outlet lengths to	equipments, r	minimum or		*		V	
Limited to the Control of the Contro	Line													•				
Part Continue of the conti		Comentarios de S11 a recipidos e impiementados antes de extracción final para emisión / instrumentation comments received and implemented before final extraction for issuance												*				
## Page														✓				
## 1													V			•		
Processing the section of the service of the section of the sect												ding PID						
Mails organizations and convenient CAR Strover Carefolds in concess ordinate by (ST) Transit Space (ST) Tr													·					
Because the years are presented by call places designation of control of the presentation of an all supplies and the presentation of the presentat																		
Bookstands desired deportation on wath perceivation was control American to executive serged or collection of the executive serged or collection	Ш	Notas explicativas adicionales incorporadas / Additional clarification notes added												✓				
The particular segion at classical de videos estati incorporation (a rigidanties) Three particular segion (a r								, , , ,	, ,						By	: ST	Ву:	LST
Receivable of the complete of a little entities opportune to the sport feether of the complete of the complete of application of the sport feether of the complete of the complete of application of the complete of the com	tress								-									
La linea està apportata por compteto y la lista de apporte relievada / Che in Completely supported and apport filt updated Boulet in Complete de south y apparent in marita and es apport of provincia de la linea de l'apport contra de l'apport comparent and apport of la lista de l'apport comparent and apport of la lista de l'apport comparent a destaun de south and apport of la lista de l'apport comparent a destaun de l'apport of la lista de l'apport comparent a destaun de l'apport of la lista de l'apport comparent a destaun de l'apport of la lista de l'apport comparent a destaun de l'apport of la lista de l'apport comparent a destaun de l'apport of la lista de l'apport comparent a destaun de l'apport of la lista de l'apport comparent a destaunt de l'apport comparent a l'apport of la lista de l'apport comparent l'apport	s	Los requisitos segú	in el cálcul	o de stress están	incorpora	· ·	,	·	,	,					_		_	
Concepts de sopone y separatelin mésime errire seportes / Support concept and support sporte Concepts de sopone y separatelin mésime errire seportes / Support concepts and support sporte Concepts de sopone y separatelin mésime errire seportes / Support concepts de Sirce / Support requiremente according to streex calculation note are included and adjusted jurity with Codigo de apportes contractive entractive fundament (ETD - SPO - COM - MES - PRF) / Support code correctly included (ETD - SPO - COM - MES								, , ,,	, ,	er					Ву	: SP	Ву:	LSP
The professional designation and a source of a classical or active stress specially as appears of control or active stress special or supports control or active stress special categories of Criticidae (a. La Linea catal isolated or is a table of Linea Criticas de National Special Special Special Criticas de National Special Special Special Criticas de National Special Spe									ort list updated									
Numeracion correcta de los soportes / Supports comocily numberied Numeracion de elementos sobiates de los soportes in Support comocily numberied Numeracion de elementos sobiates de los soportes en los Sporte perimente indicados (STD - SPC - CDM - MRS - PRF) / Support code correctly indicated (STD - SPC - CDM - MRS - PRF) Numeracion de elementos sobiates de los soportes en los Sporte perimente correspondente / Marks, port insulation componente in the correspondente preferins y too Sport NNA NNA NNA NNA NNA NNA NNA N																		
Codigo de soportes correctamente indicados (STD - SPC - COM - MRS - PRF) Support code comactly indicated (STD - SPC - COM - MRS - PRF) **Total Contraction de velementos solidado de los soportes en los Spool pertinimar correspondente (Althrius) de velebre d'appoint componente in the correspondent preliminary (so Spool) **Total Contraction de velevales manuales (singlin PDF) determination (STD - SPC - COM - MRS - PRF) (soporte componente in the correspondent preliminary (so Spool) **Admitistate centracia a distinctificación on la isonativa de contraction on the contraction of station in the BOM - NA - N	ports		soportes e	estan de acuerdo a	al calculo	de stress y ajustado	os con el esp	ecialista de Stress /	Support requirements accor	ding to stress calcula	tion note are included ar	na aajustea joi	intly with					
Marcado de elementos sodiados de los soportas en tuo Spool preliminar correspondenta il Mark-up of validad supporta componenta in the correspondent preliminary iso Spool Revision By: (Milaterials Revision By:	Sup	Numeración correc	ta de los so	oportes / Supports	s correctly	numbered												
La Linea persence a signan o varies categories de Chickded La Linea está instida en la Lista de Linea comissione de Chickded La Linea está instida en la Lista de Linea comissione de Chickded Materials. Sur inscriptiones de Chickded Linea está instida en la Lista de Linea comissione de Varietación de Chickded Materials. Sur inscriptiones de Chickded Linea está institución de la Chickded Materials. Sur inscriptiones de Chickded Linea está institución de la Chickded Linea está institución y lista de especiales de la befinida en la Chickded Linea está institución y lista de especiales de la befinida en la Chickded Linea está institución de la Chickded Linea en la caucardo a Pilos difficación curvición y lista de especiales de la befinida en la Chickded Linea está de la Signal de la caucardo por DiPol Indestrución y lista de especiales de la befinida List (Verify identification number, piping designi location criteria il applicable) NA Addidos caucardos de valvulas monataes (según PID) el Polis latest review and Special Piping Material List (Verify identification number, piping designi location criteria il applicable) NA INA INA INA INA INA INA INA INA INA I																		
La isonatirica verificada por Insulant anotas coloradas de Criticidad. La Linea estal isolada in a Lista de Lineas criticas de Materiales. Sus isonatiricas requieren verificación exclusival / The Line beliongs to some or NA La isonatirica verificación on un control insulato e la contr													N/A					
service continuations can be continuated as continuation of the sound interesting explainment of critically. The Line is listed in the Critical Material Lines (as explained in the sounders and are listed in the BOM NA								• •	·						Ву	/: M		
Todos los materiales están identificados en la isométrica y se encuentran listados en el listado de materiales i Ali materiales are identified in the isometric and are listed in the BOM NA Anadidos elementos especiales de tubería en Linea de acuerdo a PIDs última revisión y lista de especiales de tubería (Perificar en adicional correcta Anumenadori, critérios de Posicionamiento en diseño si Anadidos elementos especiales de tubería en Linea de acuerdos a PIDs última revisión y lista de especiales de tubería (Perificar en adicional correcta Anumenadori, critérios de Posicionamiento en diseño si NA		La Linea pertence a alguna o varias categorias de Criticidad. La Linea está listada en la Lista de Lineas Críticas de Materiales. Sus isometricas requieren Verificacion exahustiva / The Line belongs to some or										s to some or	N/A					
aplican) / Inclusion of special piping elements in line according to PIDs fatest review and Special Piping Material List (Verify identification number, piping design location criteria if applicable) **NA*** **Pé deterificación de válvulas manuales (según PID) / Identification number of manual valve (according to PID) **Todas las juntas y permos colocadas según Bpo requerido (RF, FF, Bolts, Machine Bolts) / Al gasakets and bolts placed according required type (RF, FF, Bolts, Machine Bolts) **Provision By: (CHK) Issuer** **Revision By: (CHK) Issuer** **In-Os.** **La isométrica verificada por Processos (SPO) se corresponde a la última revision / The isometric verified by Process (SPO) corresponds to its last revision **La isométrica verificada por Processos (SPO) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Processos (SPO) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentation to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentación to its last revision **La isométrica verificada por Processa (SPO) se corresponde a la última revision / The isometric verified by Instrumentación (SIT) corres				•						n the isometric and a	re listed in the BOM			N/A				
aplican) / Inclusion of special piping elements in line according to PIDs fatest review and Special Piping Material List (Verify identification number, piping design location criteria if applicable) **NA*** **Pé deterificación de válvulas manuales (según PID) / Identification number of manual valve (according to PID) **Todas las juntas y permos colocadas según Bpo requerido (RF, FF, Bolts, Machine Bolts) / Al gasakets and bolts placed according required type (RF, FF, Bolts, Machine Bolts) **Provision By: (CHK) Issuer** **Revision By: (CHK) Issuer** **In-Os.** **La isométrica verificada por Processos (SPO) se corresponde a la última revision / The isometric verified by Process (SPO) corresponds to its last revision **La isométrica verificada por Processos (SPO) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Processos (SPO) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentation (SIT) corresponds to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentation to its last revision **La isométrica verificada por Instrumentación (SIT) se corresponde a la última revision / The isometric verified by Instrumentación to its last revision **La isométrica verificada por Processa (SPO) se corresponde a la última revision / The isometric verified by Instrumentación (SIT) corres		Añadidos elementos especiales de tubería en Línea de acuerdo a PIDs última revisión y lista de especiales de tubería (Verificar en adicional correcta Numeración, criterios de Posicionamiento en diseño si										diseño si	NI/A					
Todas las juntas y pernos colocadas según tipo requerido (RF, FF, Bolts, Machine Bolts) / All gaskets and bolts placed according required type (RF, FF, Bolts, Machine Bolts) Extensión de volante de válvula modelada y reflejada en lista de materiales de la isométrica / Valves axis extension modelled and reflected in Isometric BOM N/A Válvulas colocadas según PID y Piping Class / Valves placed according PID an Piping Class Revision By : (CHK) Issuer Revision By : (CHK) I	rials	aplican) / Inclusion of special piping elements in line according to PIDs latest review and Special Piping Material List (Verify identification number, piping design location criteria if applicable)											N/A	<u></u>	<u>L</u>	<u>L</u>	<u> </u>	
Todas las juntas y pernos colocadas según tipo requerido (RF, FF, Bolts, Machine Bolts) / All gaskets and bolts placed according required type (RF, FF, Bolts, Machine Bolts) Extensión de volante de válvula modelada y reflejada en lista de materiales de la isométrica / Valves axis extension modelled and reflected in Isometric BOM N/A Válvulas colocadas según PID y Piping Class / Valves placed according PID an Piping Class Revision By : (CHK) Issuer Revision By : (CHK) I	Mate	Nº de identificación de válvulas manuales (según PID)/ Identification number of manual valve (according to PID)											N/A					
Válvulas colocadas según PID y Piping Class / Valves placed according PID an Piping Class Revision By: (CHK) Issuer Revision By: (CHK) Issuer Revision By: (CHK) Issuer Revision By: (CHK) Issuer By: CHK The Chk ** Th													N/A					
Revision By: (CHK) Issuer Revision By: (CHK) Issuer Section 1 Section 2 Section 3 Section 3		Extensión de volante de válvula modelada y reflejada en lista de materiales de la isométrica / Valves axis extension modelled and reflected in Isometric BOM										N/A						
La isométrica verificada por Procesos (SPO) se corresponde a la última revisión / The isometric verified by Process (SPO) corresponds to its last revisión La isométrica verificada por Instrumentación (SIT) se corresponde a la última revisión / The isometric verified by Instrumentation (SIT) corresponds to its last revision La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguent siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los documentos para la verificación siguent siendo las actuales / Current revision of documents for checking are still the latest available La revisión de los docume												N/A						
La isométrica verificada por Procesos (SPO) se corresponde a la última revisión / The isometric verified by Process (SPO) corresponds to its last revision La isométrica verificada por Instrumentación (SIT) se corresponde a la última revisión / The isometric verified by Instrumentation (SIT) corresponds to its last revision La isometrica verificada por Instrumentación (SIT) se corresponde a la última revisión / The isometric verified by Instrumentation (SIT) corresponds to its last revision Las notas a mano están incorporadas en las isométricas / The hand-made annotation is included La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest valiable El número de revisión y la fecha son correctos / The revision number and the date are correct Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded SIGNATURES (Name and date) SIGNATURES (Name and date) SIGNATURES (Name and date) REVIEWED Reviewed vici qui na fine 28, 2021 DISCIPLINE LEAD (L) SIGNATURES (CHK) REVIEWED Reviewed by some de statis and, fine 28, 2021 DISCIPLINE LEAD (L) SIGNATURES (SIGNATURES (CHK)) REVIEWED Reviewed by some de statis and, fine 28, 2021 DISCIPLINE LEAD (L)								Revision By : (0	CHK) Issuer							By:	СНК	
La isométrica verificada por Processos (SPO) se corresponde a la última revisión / The isometric verified by Process (SPO) corresponds to its last revision La isométrica verificada por Instrumentación (SIT) se corresponde a la última revisión / The isometric verified by Instrumentatión (SIT) corresponds to its last revision La notas a mano están incorporadas en las isométricas / The hand-made annotation is included La revisión de los documentos para la verificación siguen siendo las actuales / Current revisión of documents for checking are still the latest available El número de revisión y la fecha son correctos / The revision number and the date are correct Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) SIGNATURES (Name and date) SIGNATURES (Name and date) REVIEWED (Sy oscie at 10:12 am, Feb 25, 2021) MATERIALS (M) REVIEWED (Sy oscie at 11:12 am, Feb 25, 2021) MATERIALS (M) REVIEWED (Sy oscie at 11:12 am, Feb 25, 2021)															1st-0	Chk ⁽²⁾	2nd-(Chk ⁽³⁾
La isometrica verificada por l'instrumentación (SIT) se corresponde a la última revisión / The isometric verified by Instrumentation (SIT) corresponds to its last revisión La isométrica verificada por Instrumentación (SIT) se corresponde a la última revisión / The isometric verified by Instrumentation (SIT) corresponds to its last revisión Las notas a mano están incorporadas en las isométricas / The hand-made annotation is included La revisión de los documentos para la verificación siguen siendo las actuales / Current revisión of documents for checking are still the latest available El número de revisión y la fecha son correctos / The revision number and the date are correct Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED Ry social art 11:18 am, Feb 25, 2021 MATERIALS M															✓ <u> </u>	Х	√	Х
Las notas a mano están incorporadas en las isométricas / The hand-made annotation is included La revisión de los documentos para la verificación siguen siendo las actuales / Current revision of documents for checking are still the latest available El número de revisión y la fecha son correctos / The revision number and the date are correct Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED By occur et 10:12 mm, Reb 25, 2021 MATERIALS MATERIALS MATERIALS MATERIALS MATERIALS MATERIALS MEVIEWED By occur at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)		La isométrica verifi	cada por P	Procesos (SPO) se	correspo	nde a la última revis	sión / The is	ometric verified by Pro	rocess (SPO) corresponds to	its last revision				V				
El número de revisión y la fecha son correctos / The revision number and the date are correct Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED By oscar at 10-12 am, Feb 25, 2021 MATERIALS (M) REVIEWED By Jose G. Suarrez at 11-18 am, Feb 25, 2021 DISCIPLINE LEAD (L)	ž	La isométrica verifi	cada por Ir	nstrumentación (S	IT) se con	responde a la última	a revisión / 7	he isometric verified	by Instrumentation (SIT) con	responds to its last re	evision				V			
El número de revisión y la fecha son correctos / The revision number and the date are correct Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED By oscar at 10-12 am, Feb 25, 2021 MATERIALS (M) REVIEWED By Jose G. Suarrez at 11-18 am, Feb 25, 2021 DISCIPLINE LEAD (L)	ç	Las notas a mano e	están incor	poradas en las iso	ométricas	The hand-made a	annotation is	included							V			
Todos los comentarios se han revisado para se incluidos o descartados / All comments have been checked to be included or discarded Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED By oscar at 10:12 am, Feb 25, 2021 MATERIALS MATERIALS MI REVIEWED By Jose G. Stueres at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)	Finå	La revisión de los o	locumento	s para la verificaci	ión siguen	siendo las actuale	s / Current i	evision of documents	s for checking are still the lat	est available					V			
Holds resueltos o en su defecto By-Pass aprobado / Holds resolved or instead By-Pass approved SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED By oscar at 10:12 am, Feb 25, 2021 MATERIALS MATERIALS M) REVIEWED By Jose G. Stuarez at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)		El número de revis	ión y la fec	cha son correctos	/ The revi	sion number and th	e date are c	orrect							V			
SIGNATURES (Name and date) DESIGN LEADER (LD) REVIEWED By oscar at 10:12 am, Feb 25, 2021 STRESS LEADER (LST) MATERIALS (M) REVIEWED By Jose G. Suarez at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)		Todos los comenta	rios se har	n revisado para se	incluidos	o descartados / All	comments h	ave been checked to	be included or discarded									
DESIGN LEADER (LD) REVIEWED By oscar at 10:12 am, Feb 25, 2021 STRESS LEADER (LST) SUPPORTS LEADER (LSP) MATERIALS (M) REVIEWED By oscar at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)		Holds resueltos o e	n su defec	to By-Pass aprob	ado / Holo	ls resolved or instea	ad By-Pass a	pproved							V			
DESIGN LEADER (LD) REVIEWED By oscar at 10:12 am, Feb 25, 2021 STRESS LEADER (LST) SUPPORTS LEADER (LSP) MATERIALS (M) REVIEWED By Jose G. Suiarez at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)									SIGNATURE	S (Name and da	te)							
STRESS LEADER (LST) MATERIALS MATERIALS MM REVIEWED By Jose G. Suarez at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L) By Social at 11:26 am, Feb 26, 2021 By Jose G. Suarez at 11:18 am, Feb 25, 2021 DISCIPLINE LEAD (L)			(===				T			- (Italile allu ua	,				DEVIEWED			
By Jose G. Suarez at 11:18 am, Feb 25, 2021											(CHK)		26 am, Feb 26, 2021					
By Jose G. Suarez at 11:18 am, Feb 25, 2021	STRF	SS LEADER (LST)					МΔ	TERIALS	(M)				DISCIPLINE	LEAD (L)				
NOTES:													<u> </u>					

- [1] If "X" marqued, a "HOLD" note should be included in the Holds area for justification.
 [2] 1st checking round: Checker to place a (\checkmark) 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.



MATERIAL LIST — ERECTION

PT N.S. NO (MM)

DESCRIPTION

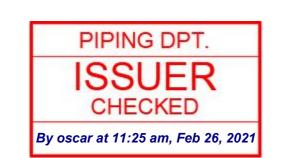
IDENT QTY

1 20

GENERIC TRAMSMITTER.SCREWED 021402LS016

021402LS016 E 1021935 N 1036395 EL +104860 DIAL FACE UP

CONTINUE ON 021402TK001 NOZZ L2



01/03/20	1211PA	LP	OMC	IFC — ISSUED FOR CONSTRUCTION
DATE	DWN	CHK	APP	DESCRIPTION
	01/03/20 DATE	01/03/2021PA DATEDWN	· ·	· ·

All dimensions to be checked in field prior to construction. Dimensions and routing shall be field adjusted, it is the piping contractors responsibility to check and verify all closing dimensions to equipment and make adjustments as required in field. All dimensions, elevations and coordinates are in millimeter unless noted otherwise. Fieldwelds and overlengths to be determined by piping contractor. Bolt holes to straddle horizontal and vertical centerline unless shown otherwise. Contractor will provide all necessary pipe supports.

DSSZT PROJECT DESCRIP JLOGY
Insulated and Traced Pipe PROJECT DESCRIP BUTTERFLY

PROCES DESIGN AREA

PROJECT DESCRIPTION/LOCATION ,
BUTTERFLY PROJECT/KREFELD

FELD TechnipFMC

LINE NUMBER

TRAIN SHEET REV

NOTES:

For pipes < dn50 supporting to be studied and defined by construction contractor before line fabrication and installation.

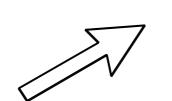
REFERENCES / DOCUMENTS

SPEC 10SS21

SYMBOLOGY

LINE LIST 30201-042-001000-00 Insulated Pipe Insula

EXTRACTION DIAYFEB 2021 E3D NAME3A1-021402-80-VT-10SS21-0001_02



MATERIAL LIST - ERECTION

PT N.S. NO (MM)

DESCRIPTION

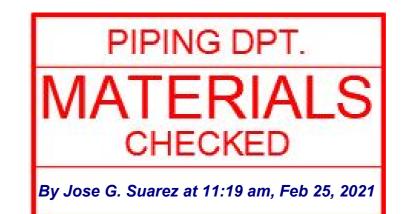
IDENT QTY

GENERIC TRAMSMITTER.SCREWED 021402LS016

(021402LS016 E 1021935 N 1036395 EL +104860 DIAL FACE UP

30207-042-021300-00

CONTINUE ON 021402TK001 NOZZ L2



0	01/03/20	nal P A	LP	OMC	IFC — ISSUED FOR CONSTRUCTION
REV	DATE	DWN	CHK	APP	DESCRIPTION

All dimensions to be checked in field prior to construction. Dimensions and routing shall be field adjusted, it is the piping contractors responsibility to check and verify all closing dimensions to equipment and make adjustments as required in field. All dimensions, elevations and coordinates are in millimeter unless noted otherwise. Fieldwelds and overlengths to be determined by piping contractor. Bolt holes to straddle horizontal and vertical centerline unless shown otherwise. Contractor will provide all necessary pipe supports.

LINE NUMBER

PROJECT DESCRIPTION/LOCATION BUTTERFLY PROJECT/KREFELD TechnipFMC |

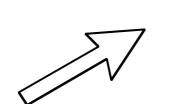
SHEET REV

SPEC 10SS21 NOTES: REFERENCES / DOCUMENTS SYMBOLOGY LINE LIST 30201-042-001000-00 Insulated Pipe For pipes < dn50 supporting to be studied and defined by construction contractor before line fabrication and installation. ISOMETRIC INDEX 30303-042-023000-2

PIPING SUPPORT

Insulated and Traced Pipe PROCES DESIGN AREA UNIT

E3D NAME3A1-021402-80-VT-10SS21-0001_02 EXTRACTION DAYFEB 2021



MATERIAL LIST - ERECTION

PT N.S. NO (MM)

DESCRIPTION

IDENT QTY

1 20

GENERIC TRAMSMITTER.SCREWED 021402LS016

PIPING DPT.

DESIGNED



0	01/03/2	adP A	LP	OMC	IFC — ISSUED FOR CONSTRUCTION
RE	V DATE	DWN	CHK	APP	DESCRIPTION

All dimensions to be checked in field prior to construction. Dimensions and routing shall be field adjusted, it is the piping contractors responsibility to check and verify all closing dimensions to equipment and make adjustments as required in field. All dimensions, elevations and coordinates are in millimeter unless noted otherwise. Fieldwelds and overlengths to be determined by piping contractor. Bolt holes to straddle horizontal and vertical centerline unless shown otherwise. Contractor will provide all necessary pipe supports.

023A1021402-80-VT-10SS21-0001

ROJECT DESCRIPTION/LOCATION ,	
ROJECT DESCRIPTION/LOCATION BUTTERFLY PROJECT/KREFELD	

By Joaquin Perez-Alonso at 3:21 pm, Feb 17, 2021

JECT/KREFELD	TechnipFMC	Gáli	rg][
LINE	NUMBER	TRAIN	SH

	NOTES:	REFERENCES / DO	DCUMENTS	SPEC	10SS21	PROJECT DE	ESCRIPT
	For since / duEO composition to be shoulded and defined by constanting continue to before	LINE LIST	30201-042-001000-00	Insulated Pipe	Insulated and Traced Pip	_	RFLY P
line fabrication and installation.	For pipes < dn50 supporting to be studied and defined by construction contractor before line fabrication and installation.	ISOMETRIC INDEX	30303-042-023000-20	0		PROCESS DESIGN A	
		PIPING SUPPORT	30207-042-021300-00	1 — — — —		024 023/	41 021

E 1021935 N 1036395 EL +104860 CONTINUE ON O21402TK001 NOZZ L2

DIAL FACE UP