

Dossier CMP Arles : 783

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
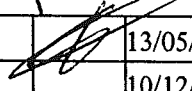

Client / Customer : AIR LIQUIDE AGS GmbH

Engineered System N° :

1 RESERVOIR DE STOCKAGE LOX 1800MT

1 X 1800MT LOX STORAGE TANK

TUBULURES N/A3 (Ø750/DN150)
NOZZLES N/A3
MANHOLE ROOF/BURSTING DISC

5		13/05/05	HONNONS		13/05/05	HULIN		13/05/05	LEBOUCQ		
1		10/12/04	NANTIER		10/12/04	HULIN		10/12/04	LEBOUCQ		
EDITION EDITION N°	REFERENCE CLIENT REF.	DATE	NOM NAME	SIGN.	DATE	NOM NAME	SIGN.	DATE	NOM NAME	SIGN.	ETAT D'AVANC. STATUS
			REDACTEUR DRAWN UP BY		VERIFICATEUR CHECKED BY			APPROBATEUR APPROVED BY			

Projet : **ASU No.9 KOSICE**
ProjectClassement CMP Arles : **783-06**
CMP Arles document N°

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Plan N° : 783-06

INDICE DE REVISION: 0/A/B/C/D/ / /
revision number

Page	DESIGNATION description	INDICE DE REVISION									
		revision number									
		0	A	B	C	D	E	F	G	H	
1	Front page	1	2	3	4	5					
2	List of current revisions / subject of modifications	1	2	3	4	5					
3	Plan view & elevation	1	3								
4	Orientation view	1	2	5							
5	Elevation view (A3 detail)	1	2	5							
6	Details 1 to 3	1									
7	Details 4-5	1									
8	Detail ladder	1									
9	WPS table	1	2								
10	Part list / packing list	1	4								
11	Part list / packing list	1	2								
12	Part list / packing list	1	3	5							

OBJET DES MODIFICATIONS*Subject of modifications*

INDICE DE L'EDITION Edition N°	OBJET DE LA MODIFICATION Subject of the modification
1	Première diffusion / First issue
2	Added mesh on A3
3	Modified Item 13 page 3
4	Modified part list and packing list on page 10
5	Added note on page 4

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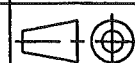
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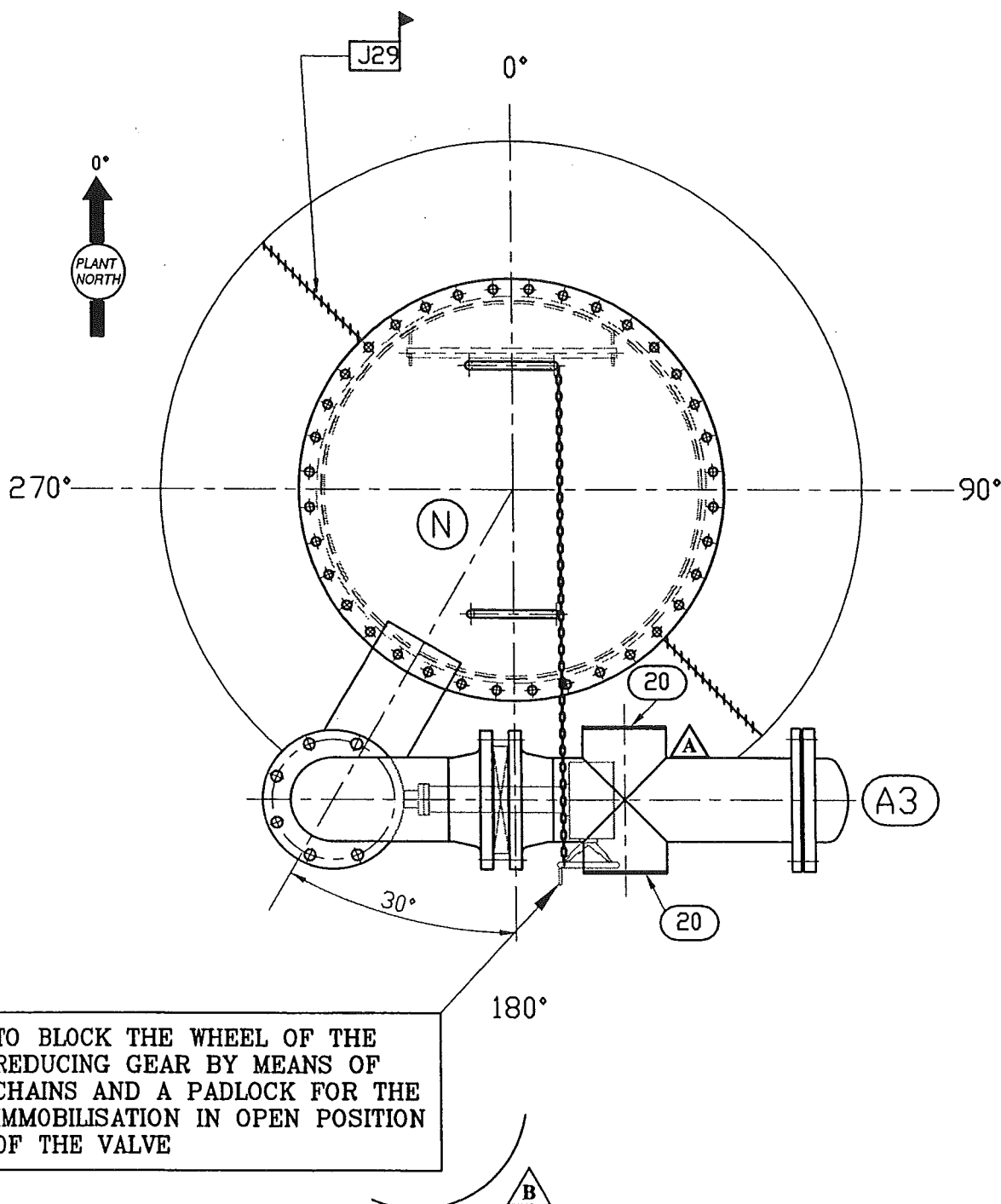
Engineered System N° :

Rev B

Plan N° : 783-06

NOZZLES N-A3
ORIENTATION VIEW

Echelle/Scale



Welded joint J29 see WPS TABLE on page 9

For partlists see pages 10 to 12

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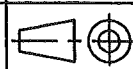
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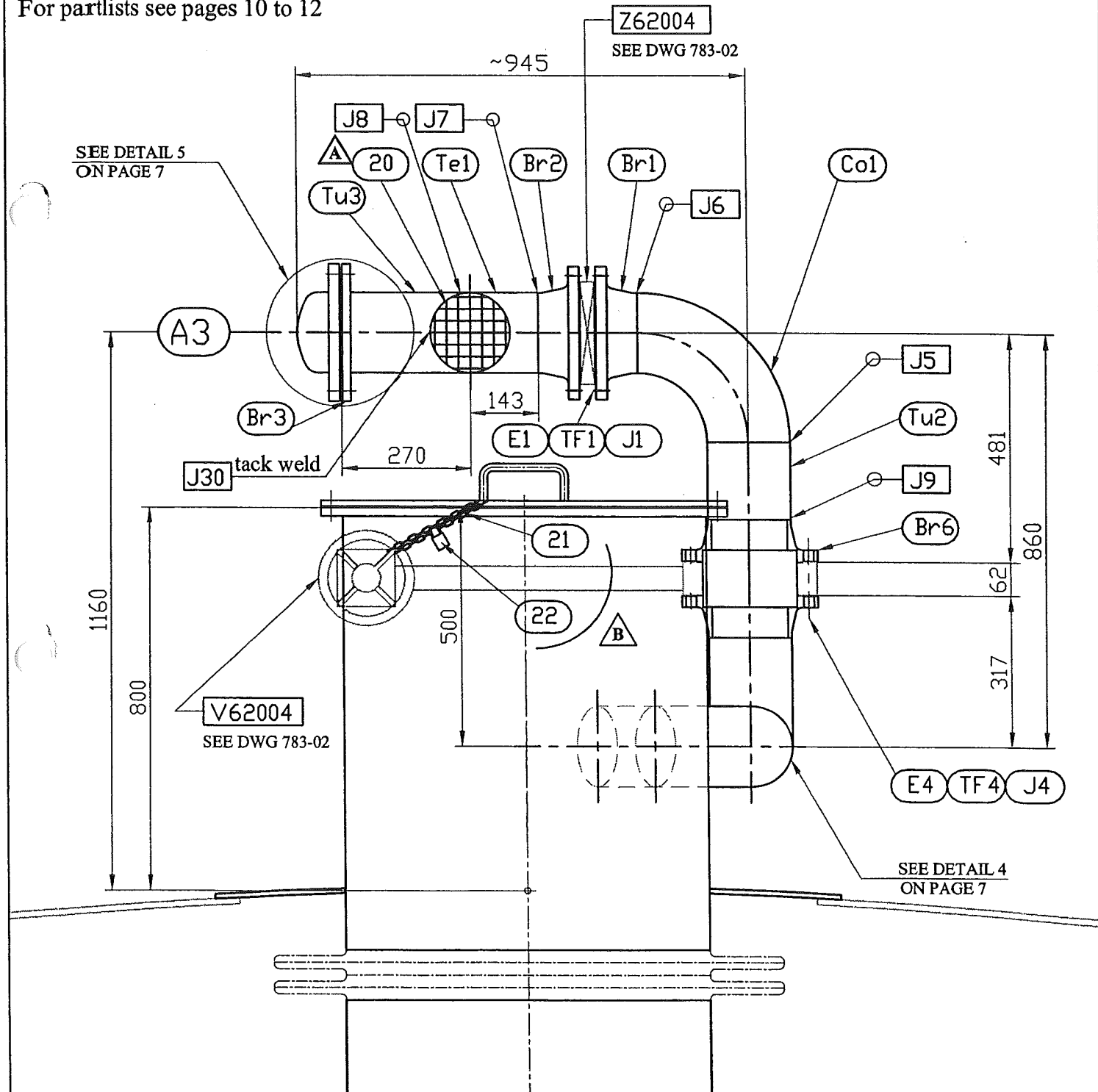
Engineered System N° :

Rev B

Plan N° : 783-06**ELEVATION VIEW (A3 DETAIL)**

Echelle/Scale

Welded joints J5 to J9 and J30
see WPS TABLE on page 9
For partlists see pages 10 to 12



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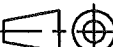
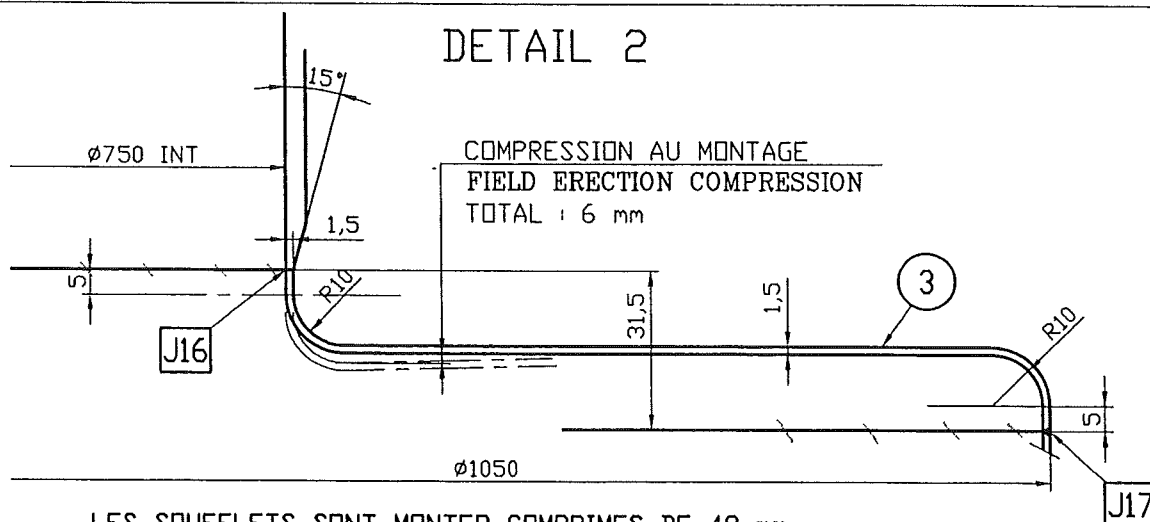
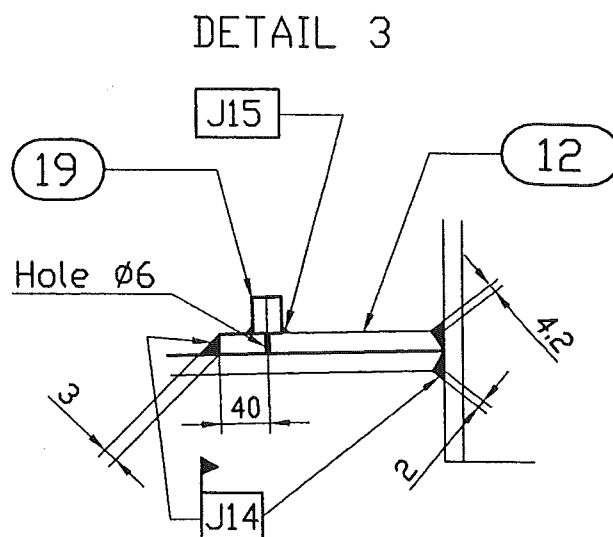
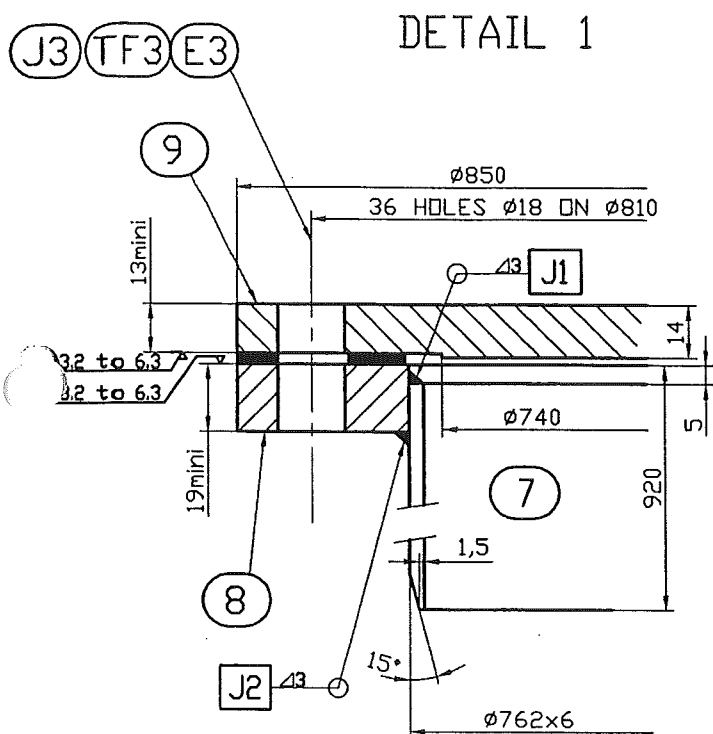
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Engineered System N° :

Rev 0

Plan N° : 783-06**NOZZLE N**
DETAILS 1 TO 3 Echelle/Scale
/

LES SOUFFLETS SONT MONTER COMPRIMES DE 48 mm
AU TOTAL, SOIT PAR ASSIETTE 6 mm.

THE BELLOWS SHALL BE INSTALLED WITH 48 mm
COMPRESSED (6 mm PER 1/2 BELLOW)

Welded joints J1, J2, J14 to J18 see WPS TABLE on page 9

For partlists see pages 10 to 12

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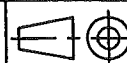
Engineered System N° :

Rev 0

Plan N° : 783-06

NOZZLES N-A3

DETAIL LADDER



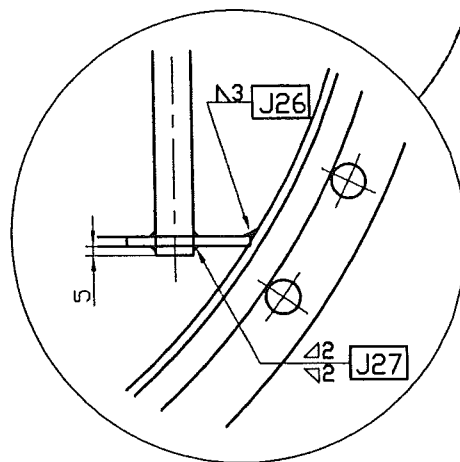
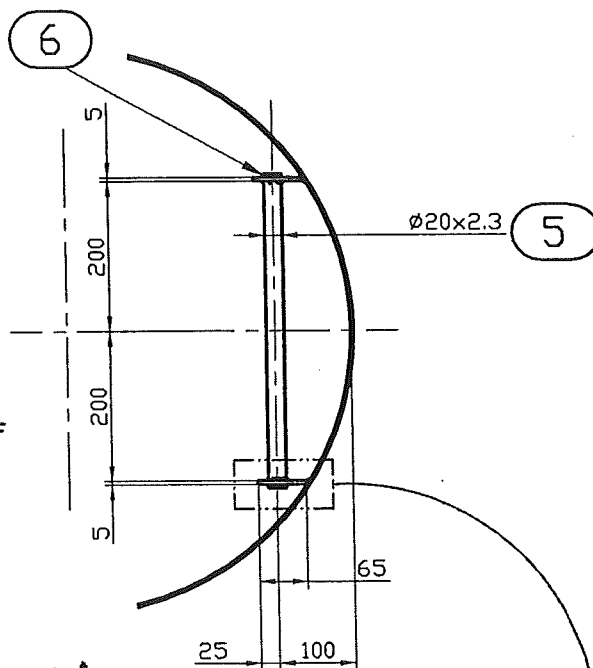
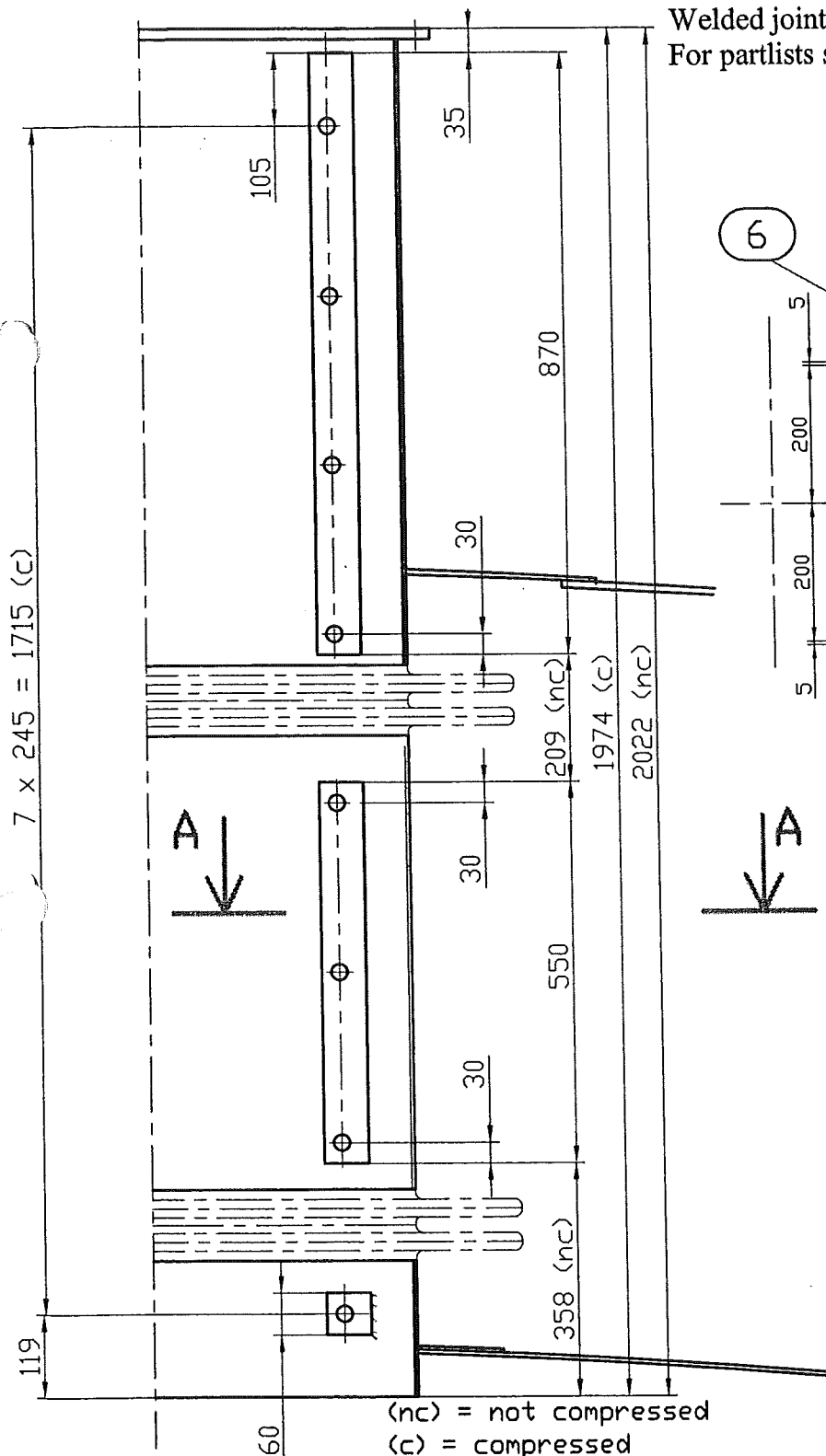
Echelle/Scale

/

Welded joints J26, J27 see WPS TABLE on page 9

For partlists see pages 10 to 12

SECTION AA



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Client / Customer : AIR LIQUIDE AGS GmbH

Engineered System N° :

Rev A

Plan N° : 783-06

WPS TABLE












Echelle/Scale

/

1) TYPICAL FILLET WELD



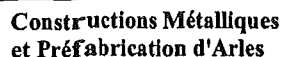
= SITE WELDING

Welded joints identification	Welding procedure specification (4)
J1	1205/1206
J2	1205/1206
J3	1201
J4 	1205
J5	1114
J6	1114
J7	1114
J8	1114
J9	1114
J10 	3203/3205
J11	1108
J12	1108
J13	1108
J14 	1345
J15	1201
J16	1113
J17	1113
J20 	1201
J21 	1201
J22 	1201
J23 	1114
J24	1201/1205
J25	1201/1205
J26	1201
J27	1201
J28 	1114
J29 	1115
J30	1201
(4) see list on CRYO-CS1	



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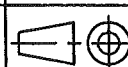
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Client / Customer : AIR LIQUIDE AGS GmbH Engineered System N° :

Rev B

Plan N° : 783-06**NOMENCLATURE/LISTE DE COLISAGE**
PART LIST/PACKING LISTEchelle/Scale
/

PIECES LEVREES NON ASSEMBLEES ITEMS DELIVERED IN SEPARATE PARTS							
J3	1	JOINT Ø850x760x3 PERCE DE 36 TROUS Ø18 SUR Ø810 (gasket Ø850x760x3 drilled 36 holes Ø18 on Ø810)		KLINGERSIL C4430	/		
TF3	36+2	TF (threaded stud) M16/90 + 2 ECROUS (nuts) HhM16		A193 B8McII / A194 8M	/		
E3	1	TOLE (plate in 2 parts) Ø1400x764x10 EN 2 PARTIES		A240 304/304L	/		
18	1	TOLE DE RENFORT (reinforcement plate) Ø340x172 thk:6		A240 304/304L	/		
19	1	DEMI-MANCHON 1/4" NPT (half coupling)		304L/316L *	/		
Co2	1	COUDE (elbow) RS LR 6"sch 40S		A403 WP304L	/		
Br5	1	BRIDE (flange) ANSI B16-5 WN150# 6" RF Ra:3,2 to 6,3		A182 F304L	/		
Tu4	1	TUBE (pipe) SS 6" sch 40S Lg: 270		A312 TP304L	3.1b		
J1	2	JOINT(gasket) Ø222x168x3		KLINGERSIL C4430	/		
TF1	8+1	TIGE FILETEE (threaded stud) M20 lg:140 MUNIE DE		A193 B8M CII	/		
E1		2 ECROUS (with 2 nut) HhM20		A194 8M	/		
J2	1	JOINT(gasket) Ø288x170x3 drilled 8 holes Ø18 on Ø245		KLINGERSIL C4430	/		
TF2	8+1	TIGE FILETEE (threaded stud) M16 lg:75 MUNIE DE		A193 B8M CII	/		
E2		2 ECROUS (with 2 nut) HhM16		A194 8M	/		
J4	2	JOINT(gasket) Ø222x168x3		KLINGERSIL C4430	/		
TF4	16+2	TIGE FILETEE (threaded stud) M20 lg: 80 MUNIE DE		A193 B8M CII	/		
E4		1 ECROU (with 1 nut) HhM20		A194 8M	/		
1	1	CHAINE (chain) Lg.~4m	B	SS	/		
22	1	CADENAS (padlock)	B	SS	/		
				* or equivalent			
REF	QTY	DESIGNATION	REV	NORM/NUANCE	EN10204	POIDS NET	QTY
ITEM	QTY	DESIGNATION	REV	NORM/MATERIAL	CERTIF	NET WEIGHT	QTY

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