

ASU 9 - izolácia rohožami WM 105, pz plech

ASU 9 - insulation ROCKWOOL WM 105, hot deep galvanised plate

Vetva / pipe line	Typ izolácie / type of insulation	Hr. mm / thickness	Plech / plate	Hr. mm / thickness mm	Poznámka / REMARK
700 A 13001	rockwool	50	pz/ HDG	0,8	
700 A 13002	rockwool	50	pz/ HDG	0,8	
700 A 15001	rockwool	100	pz/ HDG	0,8	
700 A 15003	rockwool	100	pz/ HDG	0,8	
100 A 15004	rockwool	70	pz/ HDG	0,8	
600 N 15008	rockwool	100	pz/ HDG	0,8	
600 N 15010	rockwool	50	pz/ HDG	0,8	
100 N 15011	rockwool	50	pz/ HDG	0,8	
600 N 15012	rockwool	50	pz/ HDG	0,8	
100 N 15013	rockwool	50	pz/ HDG	0,8	
00 N 20016	rockwool	100	pz/ HDG	0,8	
600 N 15006	rockwool	100	pz/ HDG	0,8	
100 A 13004	rockwool	50	pz/ HDG	0,8	
100 A 13003	rockwool	50	pz/ HDG	0,8	

As built



CONN TO
A15001/ N4
Y 11138500
X 3030500
EL +227781

<3> [6]
700NPD

Y 11139642
X 3030500
EL +226626

[2]
700X15NPD

<2> [6]
700NPD

DRAIN NOZZLE, CONNECT TO 25-C-15020

SEE ISO
100 N 15011
Y 11140146
X 3030500
EL +226501

700X50NPD

[1]
700X700NPD

100NPD

100NPD

700X100NPD

Y 11139667
X 3030500
EL +225696

SEE ISO
600 N 15010
Y 11141100
X 3031021
EL +226150

700X600NPD

700NPD

521

F3 G4 B5

[9]
UK15011

F3 G4 B5

SEE ISO
100 A 13003
Y 11139767
X 3030149
EL +226150

SEE ISO
100 A 13003
Y 11140749
X 3028815
EL +226150

100NPD

700X100NPD

<4> [6]
700NPD

SEE ISO
SHT 2

[S11]
PS-006

SS

SV150G 712 W1 LF

Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	700X700	TEE, WELDED 711*12.5/711*12.5, ST37.0, DIN 2615-1
2	1	700X15	WELDING NOZZLE FOR THERMOWELL, DRAWING NO. 792.61076
3	2	700	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
4	2	700	FLAT GASKET
5	48	27	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 100.0MM LANG
6	3190 MM	700	PIPE, WELDED 711*7.1, ST37.0, DIN EN 10220
7	100 MM	50	PIPE, SEAMLESS 60.3*2.9, ST37.0, DIN EN 10220
8	1	700	ELBOW, WELDED, 1,5D 711*7.1-90, B-ART 3,DIN 2605-1
9	1	700	UK15011
10	1	15	TE15001 TE15001
11	1	700	SLIDE SUPPORT PSUPPORT

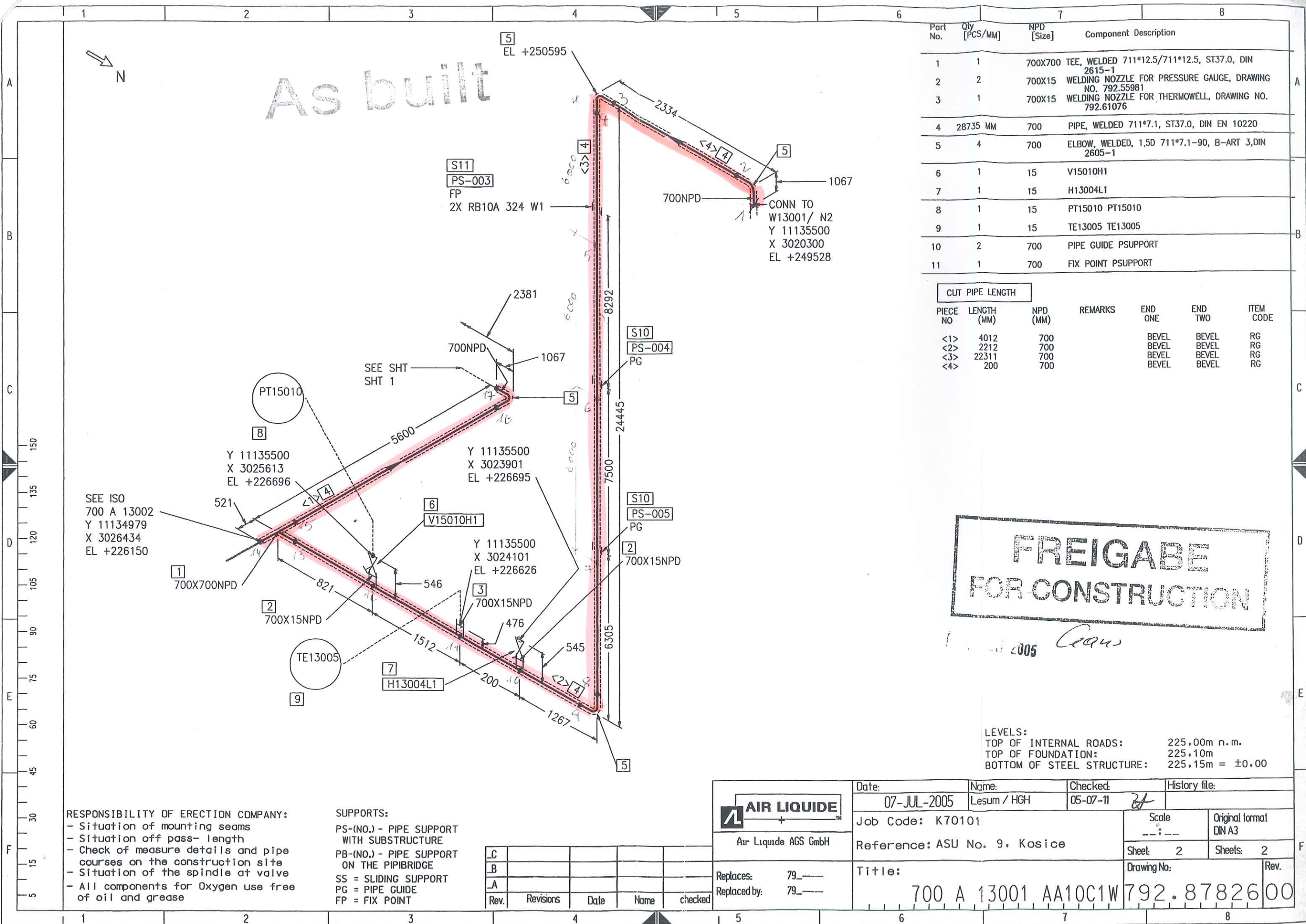
CUT PIPE LENGTH					
PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO
<1>	100	50		SHAPED BEVEL	SO.CUT BEVEL
<2>	1012	700		BEVEL	SO.CUT BEVEL
<3>	564	700		BEVEL	SO.CUT BEVEL
<4>	1614	700		BEVEL	SO.CUT BEVEL

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPEBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
01	General Rev.	15.09.2005	Les	Zul

 AIR LIQUIDE Air Liquide AGS GmbH	Date: 07-JUL-2005	Name: Lesum / HGH	Checked: 05-09-15	History file:
	Job Code: K70101			Scale: 1:1
	Reference: ASU No. 9, Kosice			Original format: DIN A3
	Title: 700 A 13001 AA10C1W			Drawing No: 792.8782601
Replaces: 79_-----		Replaced by: 79_-----		Rev.



Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	700X700	TEE, WELDED 711*12.5/711*12.5, ST37.0, DIN 2615-1
2	2	700X15	WELDING NOZZLE FOR PRESSURE GAUGE, DRAWING NO. 792.55981
3	1	700X15	WELDING NOZZLE FOR THERMOWELL, DRAWING NO. 792.61076
4	28735	MM	700 PIPE, WELDED 711*7.1, ST37.0, DIN EN 10220
5	4	700	ELBOW, WELDED, 1,5D 711*7.1-90, B-ART 3,DIN 2605-1
6	1	15	V15010H1
7	1	15	H13004L1
8	1	15	PT15010 PT15010
9	1	15	TE13005 TE13005
10	2	700	PIPE GUIDE PSUPPORT
11	1	700	FIX POINT PSUPPORT

CUT PIPE LENGTH					
PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO
<1>	4012	700		BEVEL	BEVEL
<2>	2212	700		BEVEL	BEVEL
<3>	22311	700		BEVEL	BEVEL
<4>	200	700		BEVEL	BEVEL

**FREIGABE
FOR CONSTRUCTION**

LEVELS:
TOP OF INTERNAL ROADS: 225,00m n.m.
TOP OF FOUNDATION: 225,10m
BOTTOM OF STEEL STRUCTURE: 225,15m = ±0,00

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

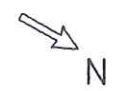
SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPIBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
C				
B				
A				

AIR LIQUIDE Air Liquide AGS GmbH	Date: 07-JUL-2005	Name: Lesum / HGH	Checked: 05-07-11	History file:
	Job Code: K70101		Scale: ---:---	Original format: DIN A3
	Reference: ASU No. 9, Kosice		Sheet: 2	Sheets: 2
	Title: 700 A 13001 AA10C1W		Drawing No: 792.87826	Rev. 00

700 A 13001

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 50 mm
pozinkovaný plech - Hr: 0,8 mm



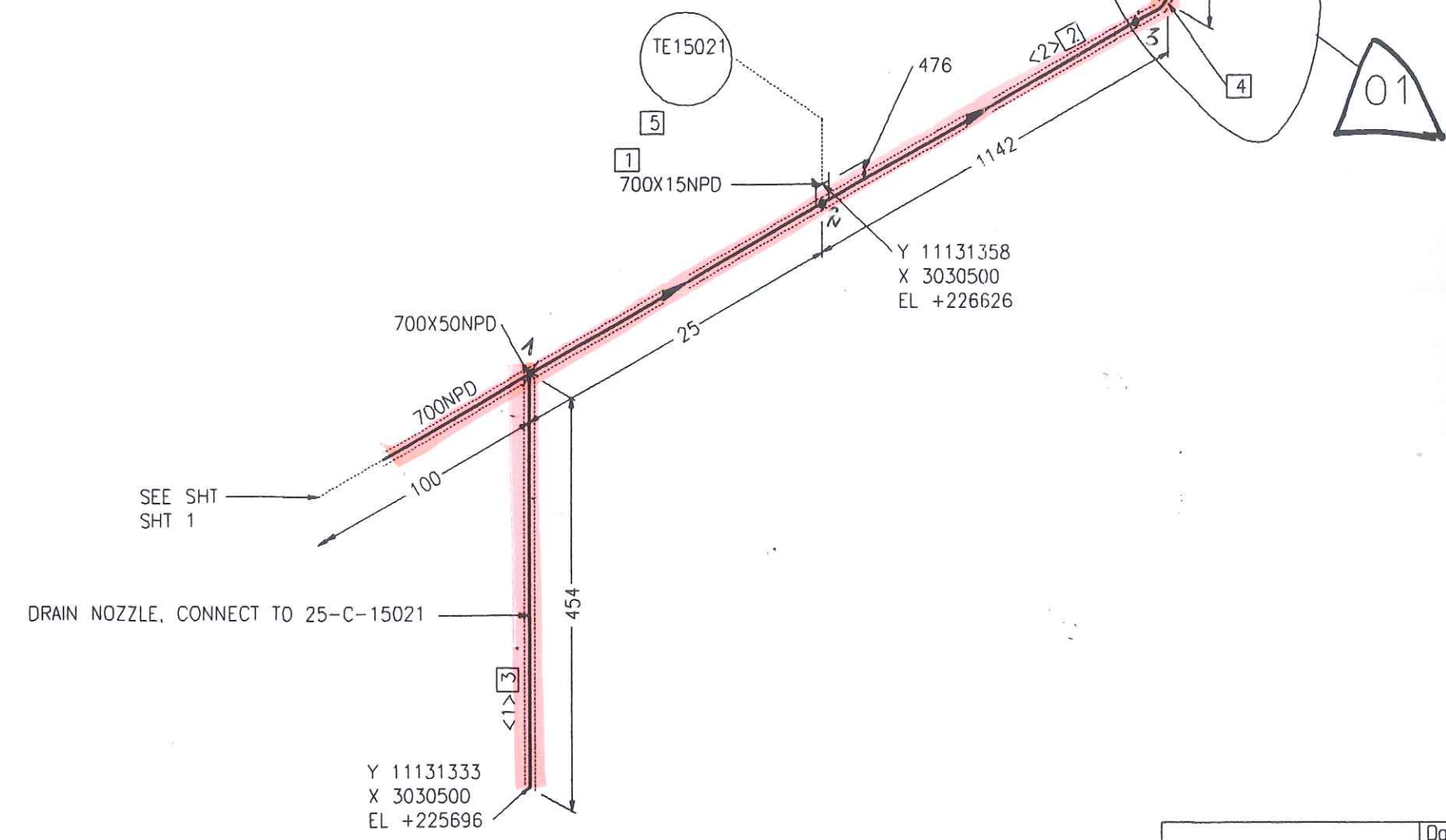
As built

CONN TO
A15002/ N4
Y 11132500
X 3030500
EL +227781

Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	700X15	WELDING NOZZLE FOR THERMOWELL, DRAWING NO. 792.61076
2	714	MM	PIPE, WELDED 711*7.1, ST37.0, DIN EN 10220
3	100	MM	PIPE, SEAMLESS 60.3*2.9, ST37.0, DIN EN 10220
4	1	700	ELBOW, WELDED, 1,5D 711*7.1-90, B-ART 3,DIN 2605-1
5	1	15	TE15021 TE15021

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	100	50		SHAPED BEVEL	SQ.CUT BEVEL	RN RG
<2>	1012	700				
<3>	564	700				



RESPONSIBILITY OF ERECTION COMPANY:

- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:

PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE

PB-(NO.) - PIPE SUPPORT ON THE PIPEBRIDGE

SS = SLIDING SUPPORT

PG = PIPE GUIDE

FP = FIX POINT

Rev.	Revisions	Date	Name	checked
01	General Rev	15.09.2005	Les	Zul



Date:	07-JUL-2005	Name:	Lesum / HGH	Checked:	05-09-15	History file:	
Job Code: K70101				Reference: ASU No. 9. Kosice		Scale:	Original format
Title:				700 A 13002 AA10C1W 792.87826 01		Sheet: 2	Sheets: 2
Replaces: 79_-----				Replaced by: 79_-----		Drawing No.	Rev.

LEVELS:

TOP OF INTERNAL ROADS: 225.00m n.m.

TOP OF FOUNDATION: 225.10m

BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

700 A 13002

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 50mm
pozinkovaný plech - Hr: 0,8mm

700 A 15 001

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 100mm
pozinkovaný plech - Hr: 0,8 mm

As built

1412
1067
N
SEE ISO
700 A 15001
Y 11134979
X 3034479
EL +234000

S16
PS-011
SPS
SV150G 712 W1 LF

F4 G6 B8

12
UK15026

F4 G6 B8

SEE ISO
600 N 15008
Y 11132500
X 3029287
EL +234000

2
700X600NPD

EL +233251

SEE ISO
100 A 15004
Y 11132851
X 3030500
EL +233001

100NPD
700X100NPD
EL +233001

CONN TO
A15002/ N3
Y 11132500
X 3030500
EL +232420

EXP15003

14
HYDRA TYP LRK 10.0700.208.0, L

S16
PS-010
SPS
SV150G 712 W1 LF

1
700X700NPD
690

F5 G7 B9

UK15024

13
V15022H1

PT15022

15
Y 11132500
X 3029955
EL +233251

3
700X15NPD

01

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPEBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
01	General Rev	15.09.2005	Les	Zul

AIR LIQUIDE
Air Liquide AGS GmbH

Replaces: 79_-----
Replaced by: 79_-----

Date:	23-JUN-2005	Name:	Lesum / HGH	Checked:	05-09-15	History file:	
Job Code:	K70101	Reference:	ASU No. 9, Kosice	Title:	700 A 15003 AA10C1W792.8782601		
Scale:	1:1	Original format:	DIN A3	Sheet:	1	Sheets:	1
Drawing No.	792.8782601			Rev.	01		

Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	700X700 TEE, WELDED 711*12.5/711*12.5, ST37.0, DIN 2615-1	
2	1	700X600 REDUCER, CONCENTRIC, WELDED 711*7.1/610*6.3, ST37.0, DIN 2616-1	
3	1	700X15 WELDING NOZZLE FOR PRESSURE GAUGE, DRAWING NO. 792.55981	
4	2	700 WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1	
5	1	600 WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1	
6	2	700 FLAT GASKET	
7	1	600 FLAT GASKET	
8	48	27 HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 100.0MM LANG	
9	20	27 HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 90.0MM LANG	
10	2587 MM	700 PIPE, WELDED 711*7.1, ST37.0, DIN EN 10220	
11	1	700 ELBOW, WELDED, 1.5D 711*7.1-90, B-ART 3, DIN 2605-1	
12	1	700 UK15026	
13	1	15 V15022H1	
14	1	700 EXP15003 EXP15003	
15	1	15 PT15022 PT15022	
16	2	700 SPRING SUPPORT PSUPPORT	

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	827	700		BEVEL	BEVEL	RG
<2>	700	700		BEVEL	BEVEL	RG
<3>	1060	700		BEVEL	SQ.CUT	RG

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

700 A 15003

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 100 mm

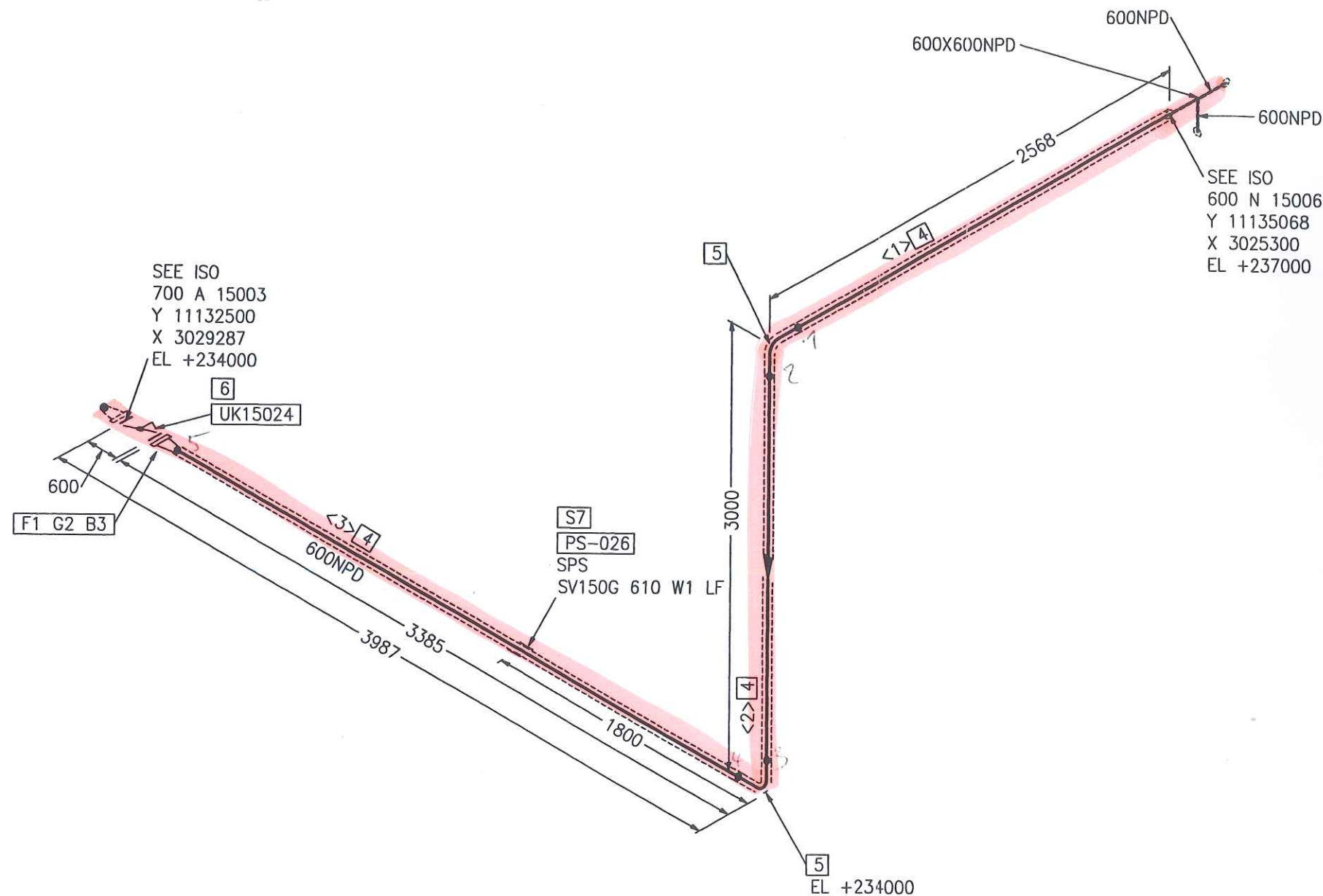
pozinkovaný plech - Hr: 0,8 mm

100 A 15 004

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 70mm
pozinkovaný plech - Hr: 0,8 mm



As built



Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	600	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
2	1	600	FLAT GASKET
3	20	27	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 90.0MM LANG
4	5217 MM	600	PIPE, WELDED 610*6.3, ST37.0, DIN EN 10220
5	2	600	ELBOW, WELDED, 1,5D 610*6.3-90, B-ART 3,DIN 2605-1
6	1	600	UK15024
7	1	600	SPRING SUPPORT PSUPPORT

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	1654	600		BEVEL	BEVEL	RG
<2>	1172	600		BEVEL	BEVEL	RG
<3>	2391	600		BEVEL	BEVEL	RG

FOR CONSTRUCTION

12. Juli 2005 *Alan*

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPIBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
C				
B				
A				



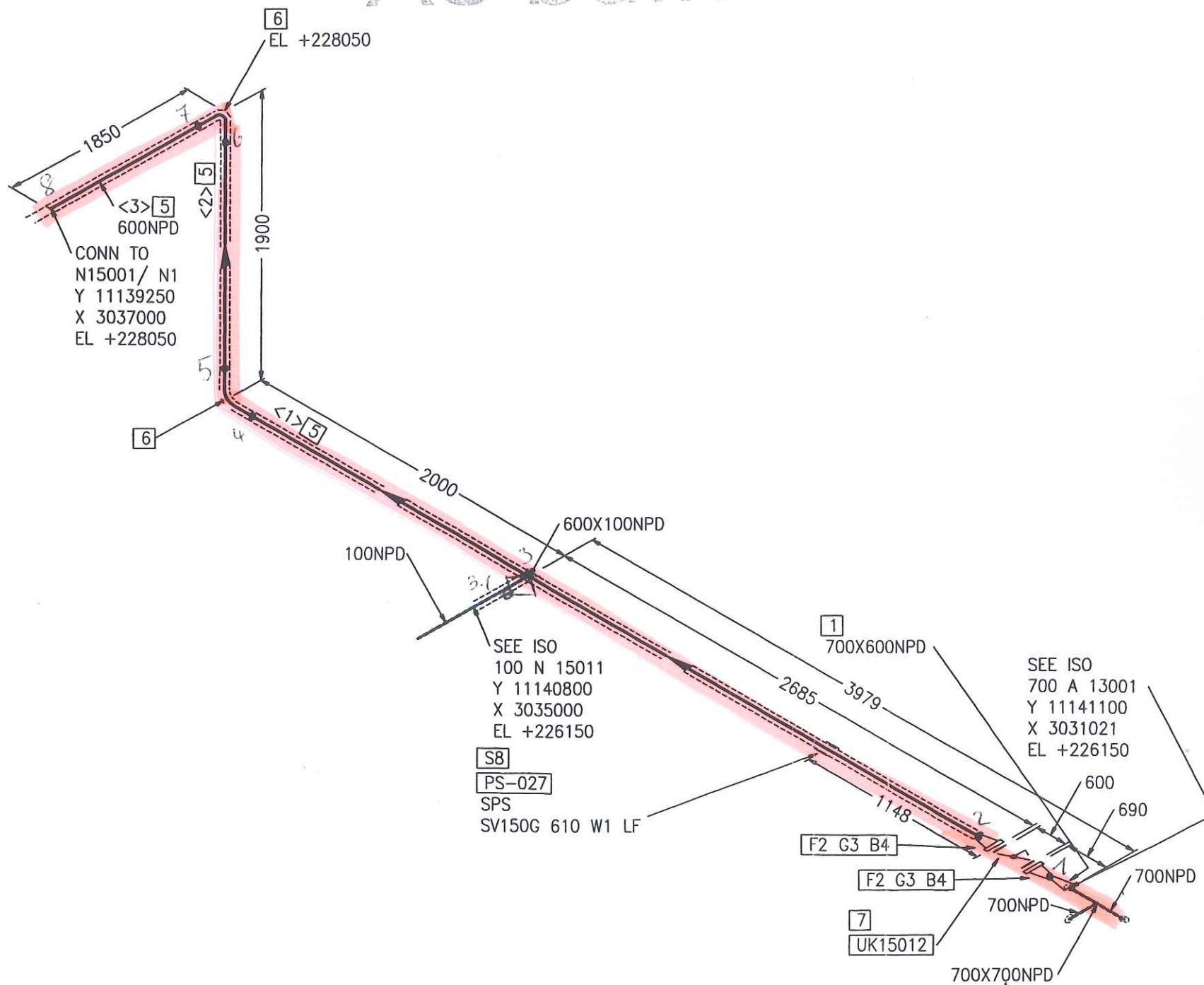
Replaces: 79_---
Replaced by: 79_---

Date: 23-JUN-2005	Name: Lesum / HGH	Checked: 05-07-12	History file:
Job Code: K70101	Reference: ASU No. 9, Kosice	Title: 600 N 15008 AA10C1W	792.8782600
Scale: ---:---	Original format: DIN A3	Sheet: 1	Sheets: 1
Drawing No:	Rev.		

600 N 15008

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 100mm
pozinkovaný plech Hr: 0,8mm

As built



Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	700X600	REDUCER, CONCENTRIC, WELDED 711*7.1/610*6.3, ST37.0, DIN 2616-1
2	2	600	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
3	2	600	FLAT GASKET
4	40	27	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 90.0MM LANG
5	4699 MM	600	PIPE, WELDED 610*6.3, ST37.0, DIN EN 10220
6	2	600	ELBOW, WELDED, 1,5D 610*6.3-90, B-ART 3,DIN 2605-1
7	1	600	UK15012
8	1	600	SPRING SUPPORT PSUPPORT

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	3691	600		BEVEL	BEVEL	RG
<2>	72	600		BEVEL	BEVEL	RG
<3>	936	600		BEVEL	SQ.CUT	RG

**PREIGABE
FOR CONSTRUCTION**

2 JUL 2005 *cecu*

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPIBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

AIR LIQUIDE

Air Liquide AGS GmbH

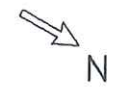
Replaces: 79____
Replaced by: 79____

Date: 23-JUN-2005	Name: Lesum / HGH	Checked: 05-07-12	History file:
Job Code: K70101	Reference: ASU No. 9, Kosice	Title: 600 N 15010 AA10C1W	792.8782600
Scale: ---:---	Original format: DIN A3	Sheet: 1	Sheets: 1
Drawing No:	Rev.		

Rev.	Revisions	Date	Name	checked

600 N 15010

IZOLÁCIA - Rockwool - WM 105 ZINC Hr: 50mm
pozinkovaný plech - Hr: 0,8mm



SEE ISO
100 N 15013
Y 11140450
X 3035105
EL +227903

1
100X100NPD
EL +227903

105

As built

EL +226755

V15013

F2 G4 B5

350

F2 G4 B5

F3 G4 B6

600NPD

600X100NPD

600NPD

SEE ISO
600 N 15010
Y 11141100
X 3035000
EL +226150

SEE ISO
700 A 13001
Y 11140146
X 3030500
EL +226150

700X100NPD
EL +226150

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:

PS-(NO.) - PIPE SUPPORT
WITH SUBSTRUCTURE

PB-(NO.) - PIPE SUPPORT
ON THE PIPEBRIDGE

SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
01	General Rev	15.09.2005	Les	Zul



Replaces: 79_-----
Replaced by: 79_-----

Date:	16-SEP-2005	Name:	Lesum / HGH	Checked:	05-09-15	History file:
Job Code:	K70101	Scale:	1:1	Original format:	DINA3	
Reference:	ASU No. 9, Kosice	Sheet:	1	Sheets:	1	
Title:	100 N 15011 AA10C1W	Drawing No.	792.87826	Rev.	01	

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1		100X100 TEE, SEAMLESS 114.3*3.6/114.3*3.6, ST37.0, DIN 2615-1
2	2	100	WELDING-NECK-FLANGE PN40, S235JRG2, DIN EN 1092-1
3	2	100	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
4	4	100	FLAT GASKET
5	16	20	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 80.0MM LANG
6	8	16	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 120.0MM LANG
7	5931 MM	100	PIPE, SEAMLESS 114.3*3.6, ST37.0, DIN EN 10220
8	5	100	ELBOW, SEAMLESS, 1.5D 114.3*3.6-90, B-ART 3, DIN 2605-1
9	1	100	UK15013
10	1	100	V15013 V15013
11	1	100	PIPE GUIDE PSUPPORT

CUT PIPE LENGTH

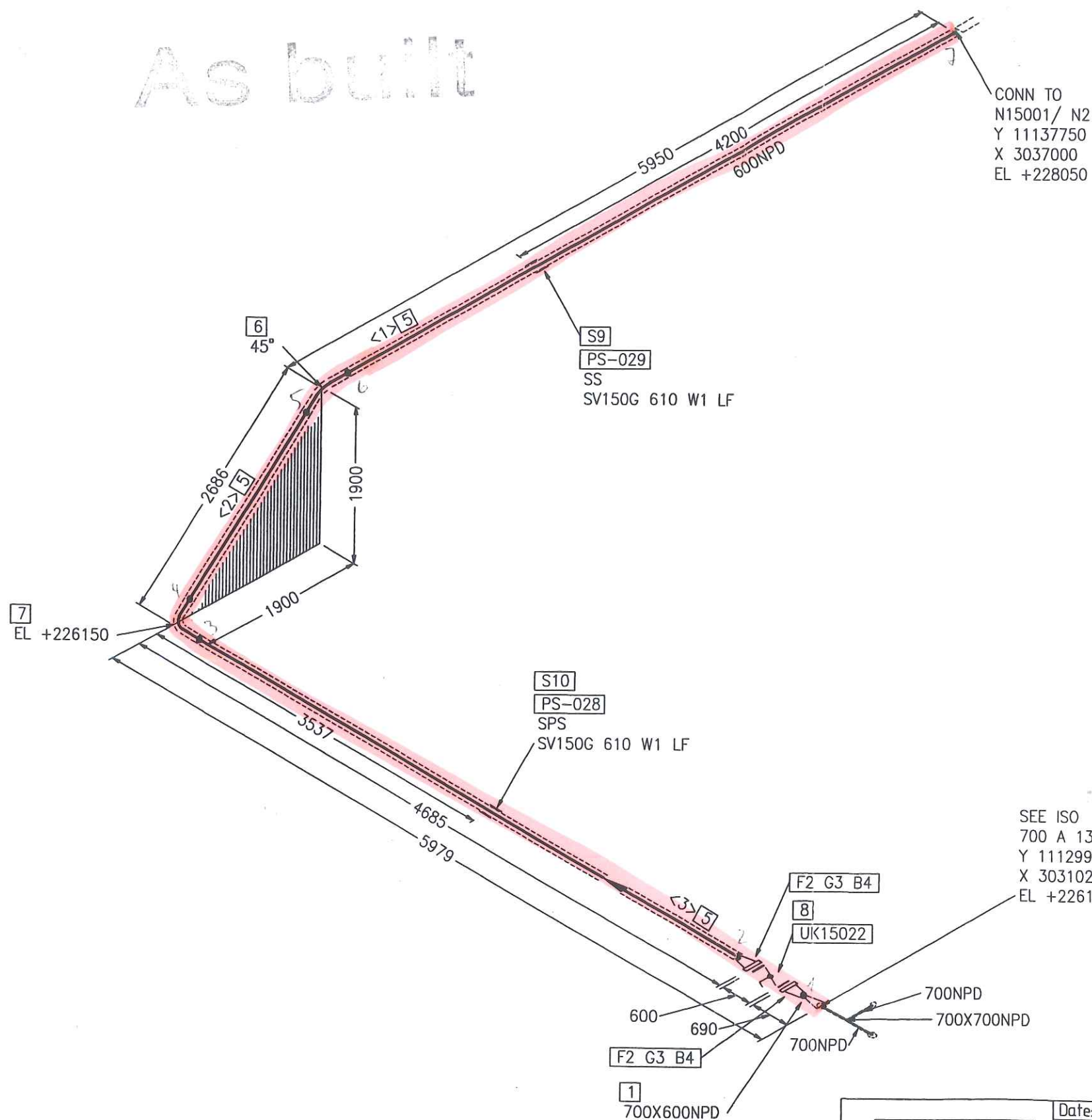
PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	198	100		SHAPED	BEVEL	RN
<2>	200	100		BEVEL	BEVEL	RN
<3>	812	100		BEVEL	BEVEL	RN
<4>	200	100		BEVEL	BEVEL	RN
<5>	844	100		BEVEL	BEVEL	RN
<6>	785	100		BEVEL	BEVEL	RN
<7>	2790	100		BEVEL	BEVEL	RN
<8>	102	100		BEVEL	SHAPED	RN

100 N 15011

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 50 mm
pozinkovaný plech - Hr: 0,8 mm



As built



Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	1	700X600	REDUCER, CONCENTRIC, WELDED 711*7.1/610*6.3, ST37.0, DIN 2616-1
2	2	600	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
3	2	600	FLAT GASKET
4	40	27	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 90.0MM LANG
5	10656 MM	600	PIPE, WELDED 610*6.3, ST37.0, DIN EN 10220
6	1	600	ELBOW, WELDED, 1,5D 610*6.3-45, B-ART 3,DIN 2605-1
7	1	600	ELBOW, WELDED, 1,5D 610*6.3-90, B-ART 3,DIN 2605-1
8	1	600	UK15022
9	1	600	SLIDE SUPPORT PSUPPORT
10	1	600	SPRING SUPPORT PSUPPORT

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	5572	600		SQ.CUT	BEVEL	RG
<2>	1393	600		BEVEL	BEVEL	RG
<3>	3691	600		BEVEL	BEVEL	RG

FOR CONSTRUCTION

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPEBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
C				
B				
A				



Replaces: 79_---
Replaced by: 79_---

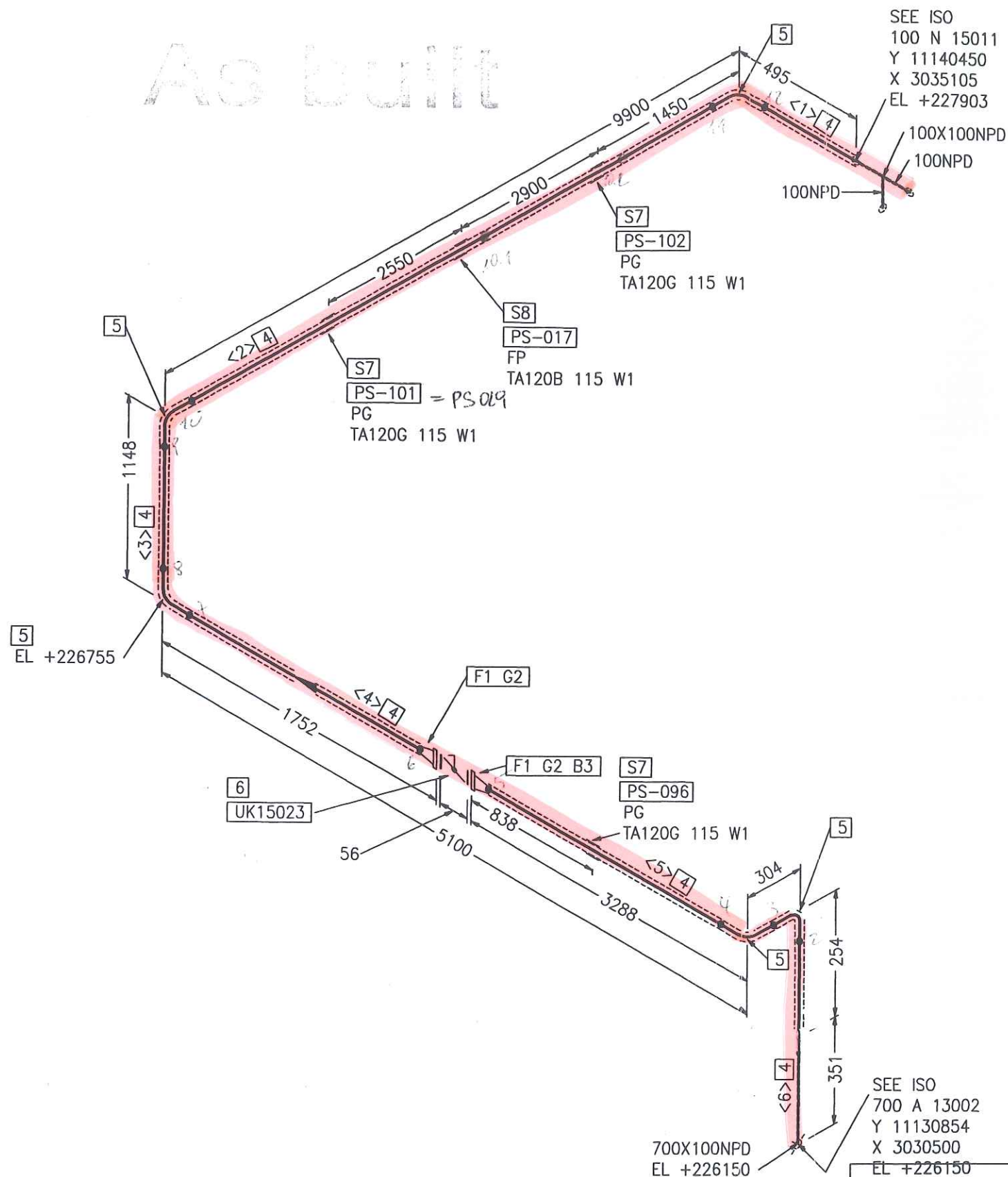
Date: 23-JUN-2005	Name: Lesum / HGH	Checked: 05-07-12	History file:
Job Code: K70101	Reference: ASU No. 9, Kosice	Scale: ---:---	Original format: DIN A3
Title: 600 N 15012 AA10C1W	Sheet: 1	Sheets: 1	Rev.
792.8782600			

600 N 15012

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 50 mm
pozinkovaný plech - Hr: 0,8 mm



As built



Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	2	100	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
2	2	100	FLAT GASKET
3	8	16	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 120.0MM LANG
4	15517 MM	100	PIPE, SEAMLESS 114.3*3.6, ST37.0, DIN EN 10220
5	5	100	ELBOW, SEAMLESS, 1,5D 114.3*3.6-90, B-ART 3,DIN 2605-1
6	1	100	UK15023
7	3	100	PIPE GUIDE PSUPPORT
8	1	100	FIX POINT PSUPPORT

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	343	100		BEVEL	BEVEL	RN
<2>	9596	100		BEVEL	BEVEL	RN
<3>	844	100		BEVEL	BEVEL	RN
<4>	1548	100		BEVEL	BEVEL	RN
<5>	3084	100		BEVEL	BEVEL	RN
<6>	102	100		BEVEL	SHAPED	RN

**FREIGABE
FOR CONSTRUCTION**

12. Juli 2005 *Leak*

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

RESPONSIBILITY OF ERECTION COMPANY:

- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:

PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPIBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
1				
2				
3				
4				
5				
6				
7				
8				



Air Liquide AGS GmbH

Replaces: 79_---
Replaced by: 79_---

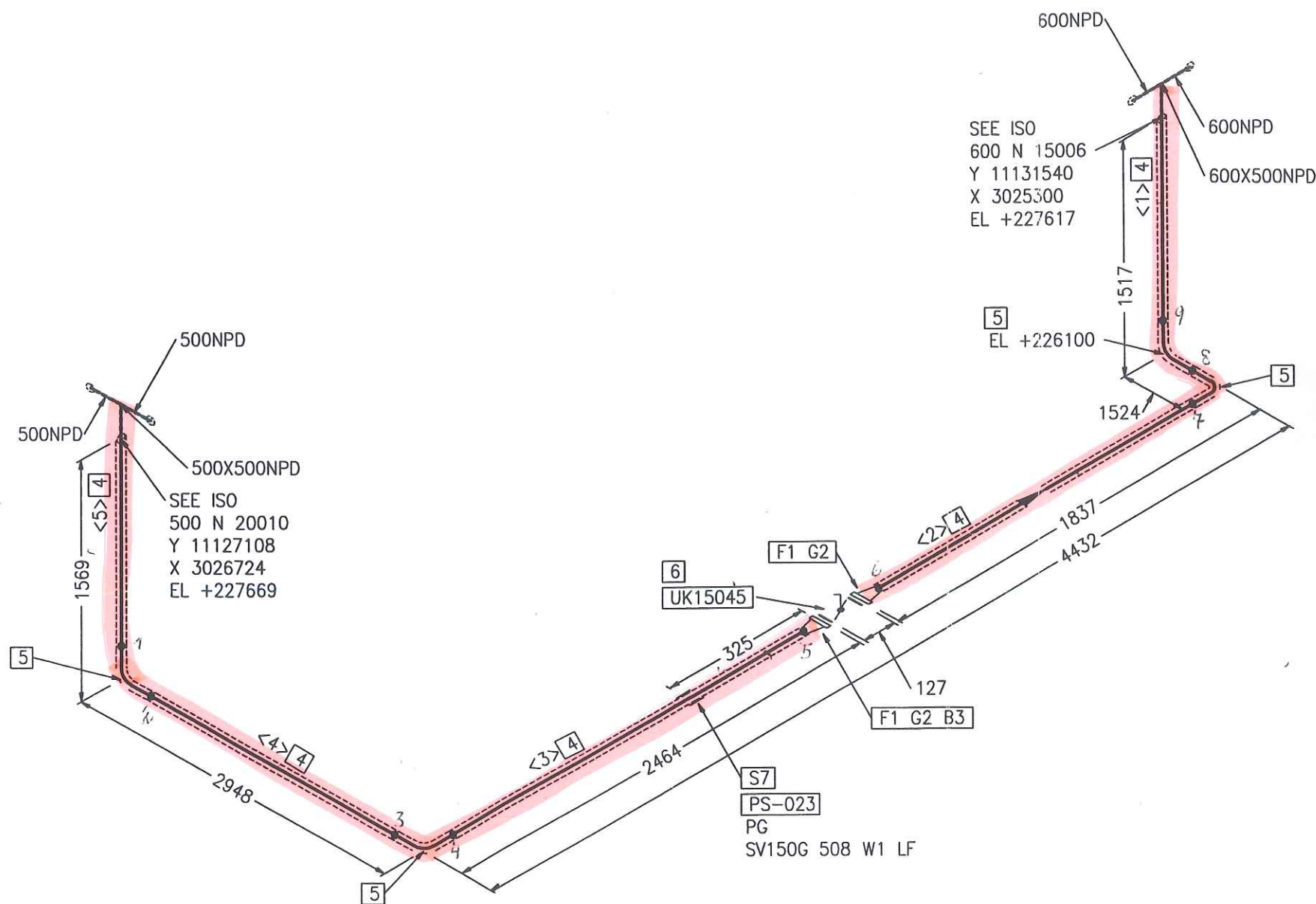
Date: 23-JUN-2005	Name: Lesum / HGH	Checked: 05-07-11 <i>zh</i>	History file:
Job Code: K70101	Reference: ASU No. 9, Kosice	Scale: ---:---	Original format: DIN A3
Title: 100 N 15013 AA10C1S	Drawing No: 792.87826	Rev. 00	

100 N 15013

IZOLÁCIA - Rockwool - WM 105 ZINC Hr: 50 mm
pozinkovaný plech - Hr: 0,8 mm



As built



Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	2	500	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
2	2	500	FLAT GASKET
3	20	24	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 220.0MM LANG
4	5613 MM	500	PIPE, WELDED 508*6.3, ST37.0, DIN EN 10220
5	4	500	ELBOW, WELDED, 1,5D 508*6.3-90, B-ART 3,DIN 2605-1
6	1	500	UK15045
7	1	500	PIPE GUIDE PSUPPORT

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	755	500		BEVEL	BEVEL	RG
<2>	1000	500		BEVEL	BEVEL	RG
<3>	1627	500		BEVEL	BEVEL	RG
<4>	1424	500		BEVEL	BEVEL	RG
<5>	807	500		BEVEL	BEVEL	RG

Freigabe
FOR CONSTRUCTION

12. Juli 2005 (CERN)

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPIBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
C				
B				
A				



Replaces: 79____
Replaced by: 79____

Date: 23-JUN-2005	Name: Lesum / HGH	Checked: 05-07-12	History file:
Job Code: K70101	Reference: ASU No. 9, Kosice	Title: 500 N 20016 AA10C1W	Scale: 1:1
Replaces: 79____	Replaced by: 79____	Drawing No: 792.87826	Original format DIN A3
Rev.	Revisions	Date	1

500 N 20016

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 100 mm
pozinkovaný plech - Hr: 0,8 mm

600 N 15006

IZOLÁCIA - Rockwool - WM 105 ZINC - Hr: 100 mm
pozinkovaný plech - Hr: 0,8 mm

SEE ISO
700 A 13002
Y 11131233
X 3030500
EL +226150

700X100NPD
EL +226150

SEE ISO
700 A 13002
Y 11131233
X 3030500
EL +226150

700X100NPD

SEE ISO
700 A 13002
Y 11129900
X 3028815
EL +226150

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe
courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free
of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT
WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT
ON THE PIPEBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
C				
B				
A				



Air Liquide AGS GmbH

Replaces: 79_---
Replaced by: 79_---

Date:	23-JUN-2005	Name:	Lesum / HGH	Checked:	05-07-11	History file:	
Job Code:	K70101	Scale	1:1	Original format	DIN A3		
Reference:	ASU No. 9, Kosice	Sheet:	1	Sheets:	1		
Title:	100 A 13004 AA10C1W	Drawing No:	792.87826	Rev.	00		

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

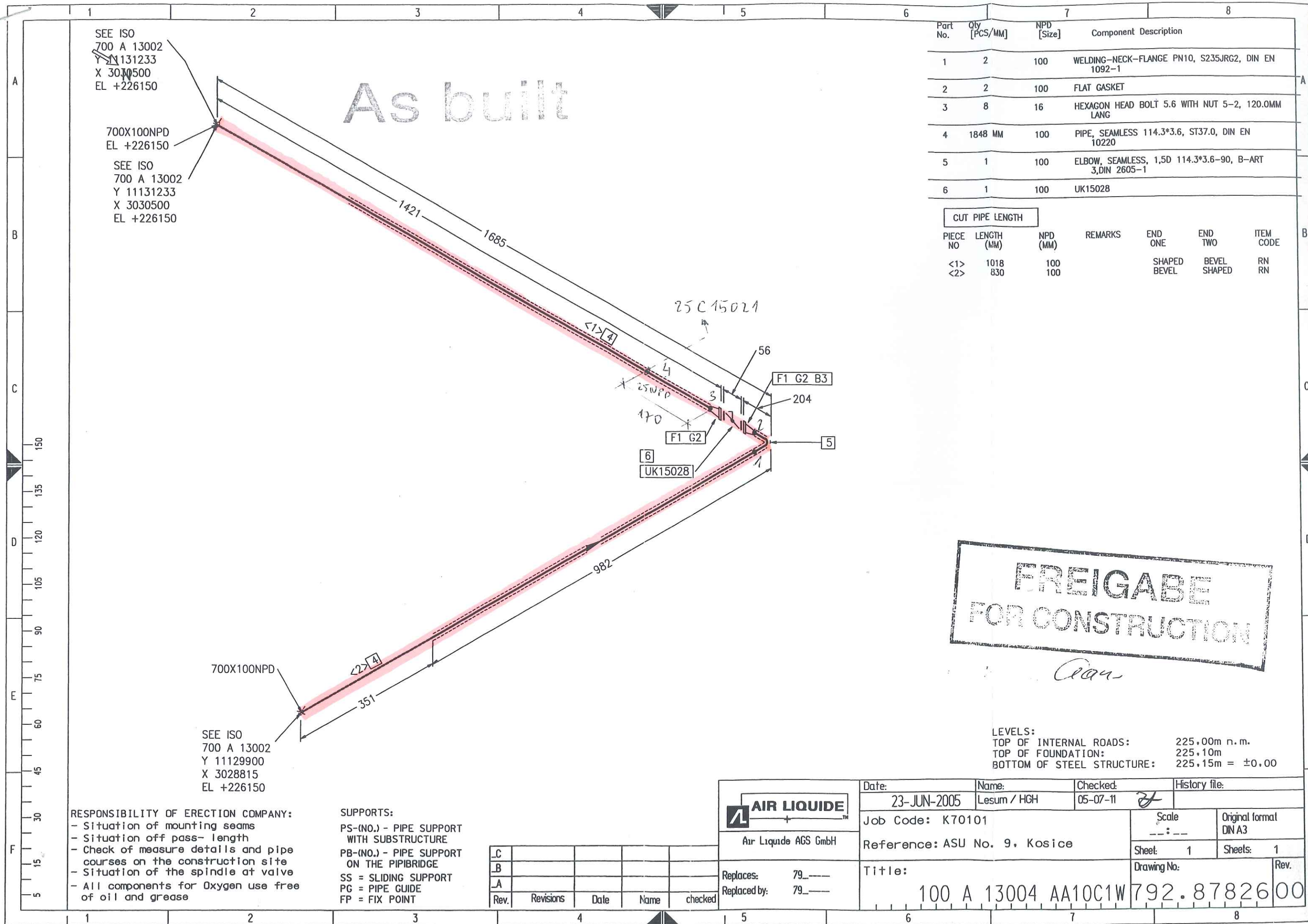
FREIGABE
FOR CONSTRUCTION

Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	2	100	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
2	2	100	FLAT GASKET
3	8	16	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 120.0MM LANG
4	1848 MM	100	PIPE, SEAMLESS 114.3*3.6, ST37.0, DIN EN 10220
5	1	100	ELBOW, SEAMLESS, 1,5D 114.3*3.6-90, B-ART 3,DIN 2605-1
6	1	100	UK15028

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	1018	100		SHAPED BEVEL	BEVEL SHAPED	RN
<2>	830	100				RN

As built



100 A 13 004

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 50 mm
pozinkovaný plech - Hr: 0,8 mm

As built

Part No.	Qty [PCS/MM]	NPD [Size]	Component Description
1	2	100	WELDING-NECK-FLANGE PN10, S235JRG2, DIN EN 1092-1
2	2	100	FLAT GASKET
3	8	16	HEXAGON HEAD BOLT 5.6 WITH NUT 5-2, 120.0MM LANG
4	1848 MM	100	PIPE, SEAMLESS 114.3*3.6, ST37.0, DIN EN 10220
5	1	100	ELBOW, SEAMLESS, 1,5D 114.3*3.6-90, B-ART 3,DIN 2605-1
6	1	100	UK15018

CUT PIPE LENGTH

PIECE NO	LENGTH (MM)	NPD (MM)	REMARKS	END ONE	END TWO	ITEM CODE
<1>	830	100		SHAPED BEVEL	BEVEL SHAPED	RN RN
<2>	1018	100				

SEE ISO
700 A 13001
Y 11139767
X 3030500
EL +226150

SEE ISO
700 A 13001
Y 11141100
X 3028815
EL +226150

700X100NPD
EL +226150

SEE ISO
700 A 13001
Y 11141100
X 3028815
EL +226150

FREIGABE
FOR CONSTRUCTION

LEVELS:
TOP OF INTERNAL ROADS: 225.00m n.m.
TOP OF FOUNDATION: 225.10m
BOTTOM OF STEEL STRUCTURE: 225.15m = ±0.00

RESPONSIBILITY OF ERECTION COMPANY:
- Situation of mounting seams
- Situation off pass- length
- Check of measure details and pipe courses on the construction site
- Situation of the spindle at valve
- All components for Oxygen use free of oil and grease

SUPPORTS:
PS-(NO.) - PIPE SUPPORT WITH SUBSTRUCTURE
PB-(NO.) - PIPE SUPPORT ON THE PIPIBRIDGE
SS = SLIDING SUPPORT
PG = PIPE GUIDE
FP = FIX POINT

Rev.	Revisions	Date	Name	checked
C				
B				
A				

AIR LIQUIDE Air Liquide AGS GmbH	Date: 23-JUN-2005	Name: Lesum / HGH	Checked: 05-07-11	History file:
	Job Code: K70101		Scale: ---:---	Original format: DIN A3
	Reference: ASU No. 9, Kosice		Sheet: 1	Sheets: 1
	Title: 100 A 13003 AA10C1W		Drawing No: 792.87826	Rev. 00

100 A 13003

IZOLÁCIA - ROCKWOOL - WM 105 ZINC Hr: 50 mm
pozinkovaný plech - Hr: 0,8 mm