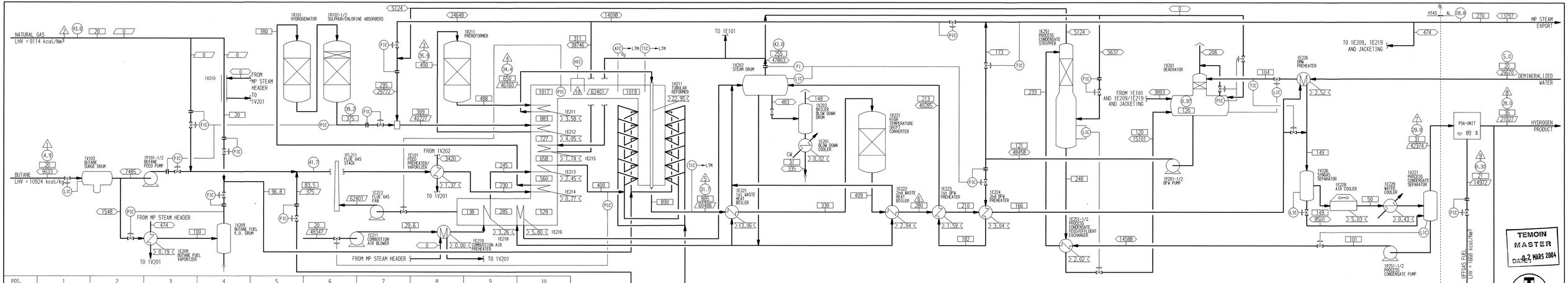

POS.	1		2		3		4		5		6		7		8		9		10	
COMP.	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %	Nm3/h	MOL %
O_2																			908	1.73
H_2					341	10.47	3484	23.13	26176	69.33	30763	72.65	30757	72.70	27000	99.90	3383	22.69	37115	70.84
N_2																				
CO						0.01	60	0.40	6019	15.94	1432	3.38	1432	3.38			1432	9.61		
CO_2					30	0.91	2937	19.49	4140	10.96	8727	20.61	8697	20.56			8697	58.34	13927	26.58
CH_4					1	0.02	8585	56.98	1423	3.77	1423	3.36	1423	3.36	27	0.10	1395	9.36		
He + Ar																			447	0.85
C_nH	3485	100.00			2888	88.59														
H_2O					360857		31094		22728		18141		65				65		10004	
Σ DRY	3485	100.00			3260	100.00	15066	100.00	37758	100.00	42345	100.00	42309	100.00	27027	100.00	14907	100.00	52397	100.00
TOTAL	3485				40227		46160		60486		60486		42374		27027		14972		62401	
Mole Weight		58.10				20.78		18.11		13.82		13.82		12.01		2.03		30.27		30.12

CALC. NO. 910384

REV.	DESCRIPTION	DATE	DRAW.	CHECK.	APPR.
7					
6	GENERAL REVISION	25-FEB-2004	SSC/YL	SLP	OLH
5	GENERAL REVISION	06-FEB-2004	SSC/YL	SELP	OLH
4	GENERAL REVISION	05-FEB-2004	SSC/YL	JTJ	OLH
3	GENERAL REVISION	04-FEB-2004	SSC/YL	JTJ	OLH

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TEMOIN MASTER
DATE: 2-2 MARS 2004
ORIGINAL IF RED

HALDOR TOPSØE A/S
DENMARK

DATE	DRAW.	CHECK.	APPR.
11-NOV-2003	LJH/YL	SELP	OLH

ISSUED FOR PROPOSAL

JOB NO.	0262658	SHEET NO.	41
DWG. NO.	S-00039-1	CLASSIFICATION	PFD

AIR LIQUIDE
H_2 PROJECT
27,000 Nm3/h HYDROGEN PLANT

Butane Feed + Fuel

DWG. NO. 0260333 REV. 4

SHEET FROM NR A 100416 REV A