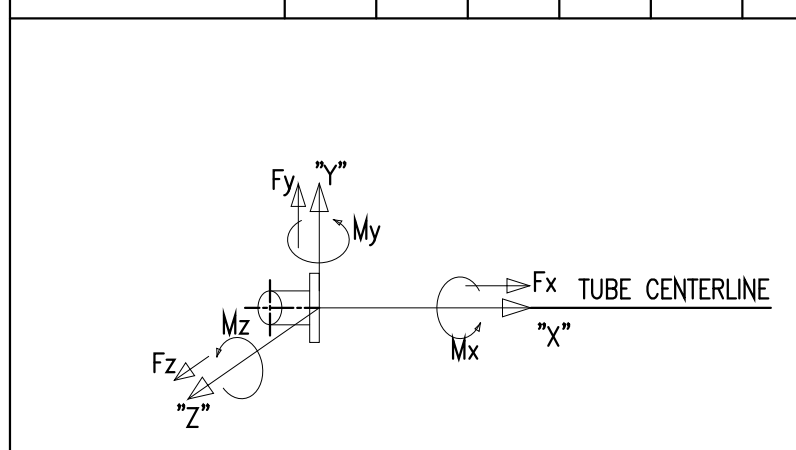
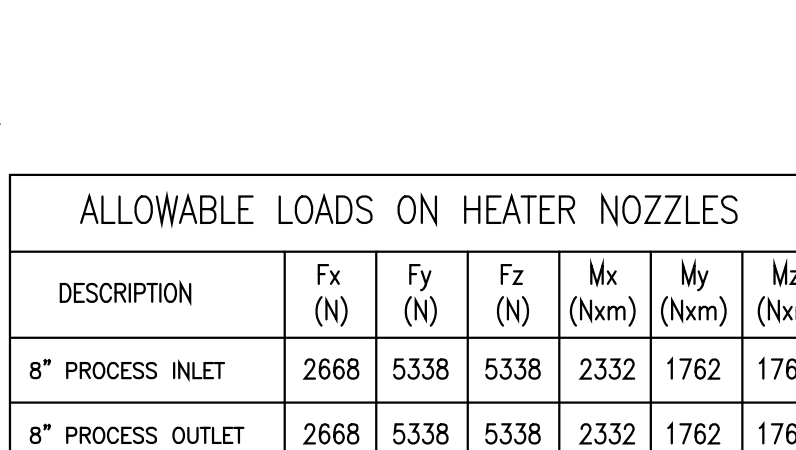
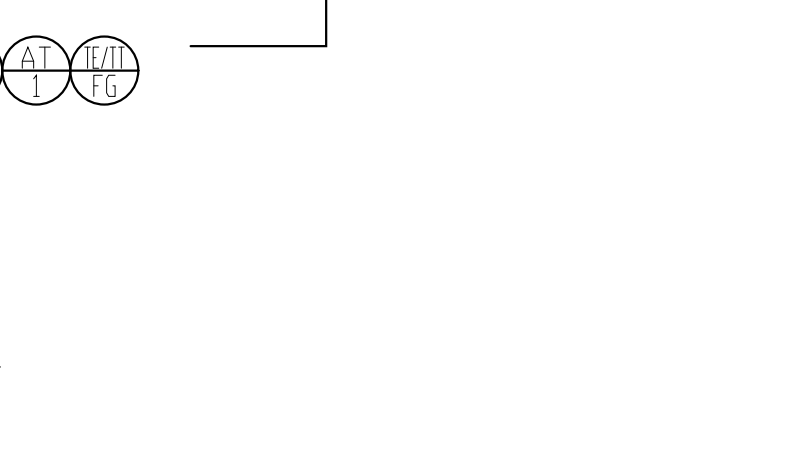
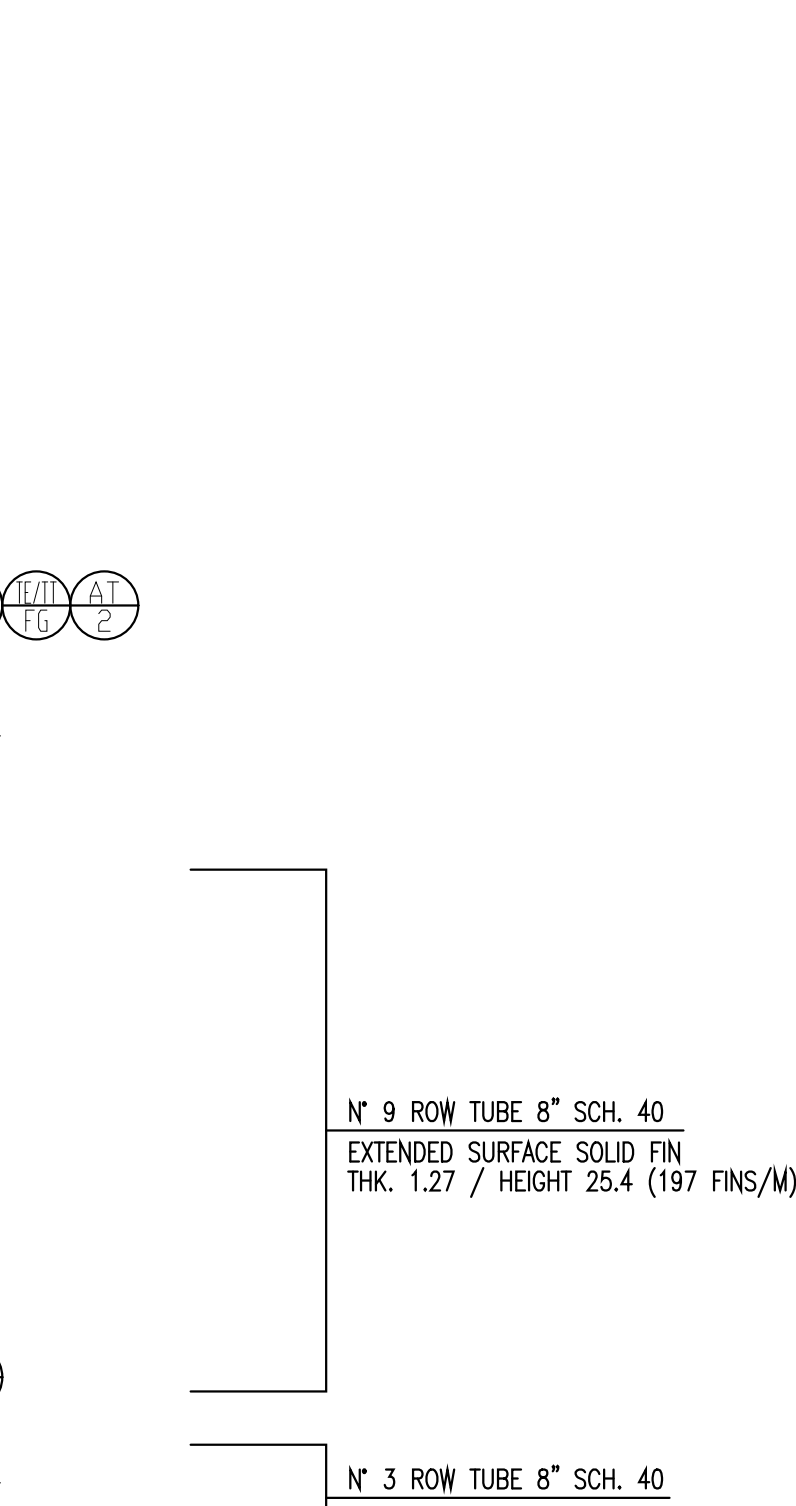
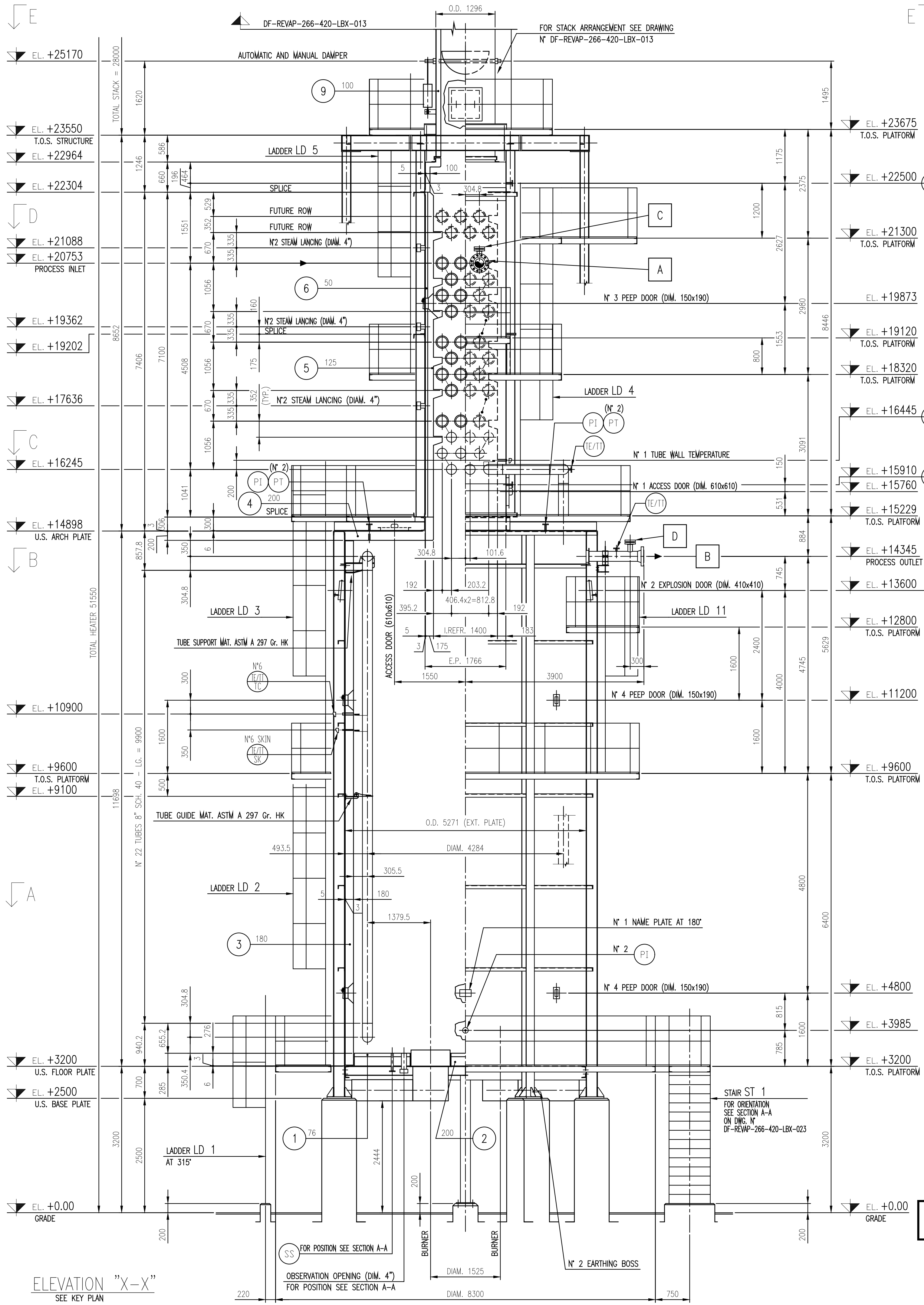




REFRACTORY SPECIFICATION					
POS.	THK.	M ³	DESCRIPTION	LOCATION	COATING
1	76	N° 715	STANDARD HIGH DUTY FIRECLAY BRICK	FLOOR	-
2	200	3.6	1:2:4 LHV INSULATING CONCRETE	FLOOR	3mm ASPHALT CUT-BACK
3	180	34.2	1:2:4 LHV INSULATING CONCRETE	RAD. VERT. WALL	3mm ASPHALT CUT-BACK
4	200	3.4	1:2:4 LHV INSULATING CONCRETE	ARCH	3mm ASPHALT CUT-BACK
5	125	9.1	1:2:4 LHV INSULATING CONCRETE	CONV. LONG. WALL	-
6	50	3.7	CALCIUM SILICATE	CONV. LONG. WALL	3mm ASPHALT CUT-BACK
7	100	1.3	1:4 LH INSULATING CONCRETE	END TUBE SHEET	-
8	100	1	1:2:4 LHV INSULATING CONCRETE	BREECHING	3mm ASPHALT CUT-BACK
9	100	11.6	1:4 LH INSULATING CONCRETE	STACK	3mm ASPHALT CUT-BACK
10	50	N° 465	CERAMIC FIBER BLANKET (96 Kg/m3)	HEADER BOX	-

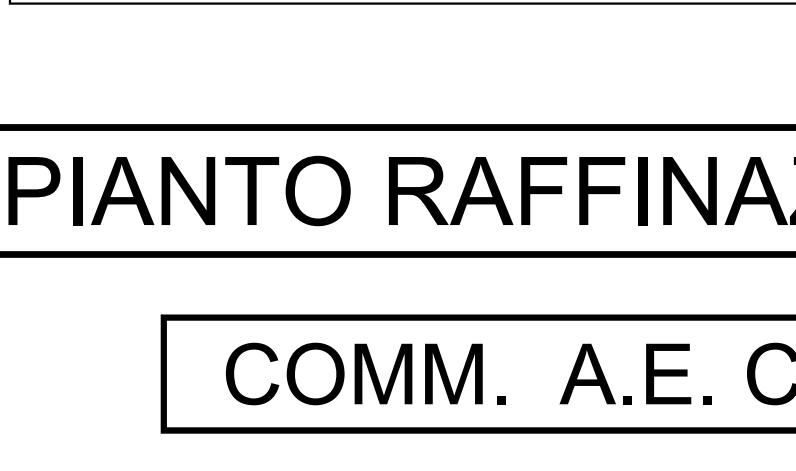
GENERAL NOTES					
1) ALL ELEVATION ARE REFERED TO PLAN = 0.00					
2) ALL DIMENSION ARE IN MILLIMETER EXCEPT OTHERWISE NOTED ON THIS DWG. AND/OR DETAIL DRAWINGS					
3) PLATFORM FLOORING SHALL BE SERRATE GRATING WITH HOT DIP GALVANIZED (MESH 100x30 LOAD BEARING BAR 25x3 WITH TWISTED BAR 5.5x5.5)					

REFERENCE DRAWING					
DF-REVAP-266-420-LBX-012 GENERAL ARRANGEMENT (CROSS SECTION)					
DF-REVAP-266-420-LBX-013 GENERAL ARRANGEMENT (LONGITUDINAL SECTION)					
DF-REVAP-266-420-LBX-023 GENERAL ARRANGEMENT (PLANTS AND PLATFORMS)					
DF-REVAP-266-420-LBX-024 GENERAL ARRANGEMENT (PLANTS AND PLATFORMS)					
DF-REVAP-266-420-LBX-008 RADIANT COIL					
DF-REVAP-266-420-LBX-009 CONVECTION COIL AND CROSS OVER					
DF-REVAP-266-420-LBX-014 FOUNDATION LOADING PLAN					
FOR INSTRUMENT AND UTILITY CONNECTION SEE DWG. N° DF-REVAP-266-420-LBX-024					
THE ELEVATION +0.00 INDICATED ON THIS DRAWING CORRESPOND TO ELEVATION +97350,00mm OF THE PLANT GROUND LEVEL					

CONNECTION SPECIFICATION					
ITEM	SERVICE	TERMINALS	QTY.	MATERIAL	
A	PROCESS INLET	FLANGE ND 8" 600 16 WN. RF.	1	ASTM A 182 F 347 H S9	
B	PROCESS OUTLET	FLANGE ND 8" 600 16 WN. RF.	1	ASTM A 182 F 347 H S9	
C	BLANK-OFF WITH BLIND FLANGE	FLANGE ND 3" 600 16 LWN. RF.	1	ASTM A 182 F 347 H S9	
D	BLANK-OFF WITH BLIND FLANGE	FLANGE ND 3" 600 16 LWN. RF.	1	ASTM A 182 F 347 H S9	

GLOSSARY					
CL = CENTRE LINE ECO = ECONOMIZER EL. = ELEVATION EXP. = EXPANSION EXT. LEN. = EXTRA LENGTH F.W. = FIELD WELD IN. = INLET INCL. = INCLUDING LF = LAP FACE MANIF. = MANIFOLD OUT = OUTLET POS. = POSITION QTY. = QUANTITY RET. = RETURN RTJ = RING JOINT SCH. = SCHEDULE SG = STEAM GENERATION S.GR. = SMALL GROOVE SR = SHORT RADIUS SSH = STEAM SUPERHEATER S.W. = SHOP WELD WJ = WELD JOINT WN = WELDING NECK HPFS=HIGH POINT FINISH SURFACE					

ALLOWABLE LOADS ON HEATER NOZZLES						
DESCRIPTION	Fx (N)	Fy (N)	Fz (N)	Mx (Nxm)	My (Nxm)	Mz (Nxm)
8" PROCESS INLET	2668	5338	5338	2332	1762	1762
8" PROCESS OUTLET	2668	5338	5338	2332	1762	1762



IMPIANTO RAFFINAZIONE NAFTA

COMM. A.E. C 460-06

ALFA ENGINEERING
Consulenza e Progettazione dal 1983

RAFINARIA HENRIQUE LAGE

COKER NAPHTA UNIONFINING PROCESS UNIT U-266

STRAIGHT RUN NAPHTA HEATER ITEM F-26601 - GENERAL ARRANGEMENT

DESIGN	A.E.	DRAWN	F.M.A.	CHECK	V.V.	APPROV.	G.B.
SCALE	1:50	SEP	-	APR	1395-8-200-1-RC	SHEET	1 OF 1
DATE	26/03/07	NUMBER	-	APP.	-	REV.	C

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DWN. 06/11/06
CKD. -
APP. -

A.E.
F.M.A.
ALFA ENG

NAME FILE: C460-06-200-A1-RC
DWG. 46006-A1-200
SCALE: 1:50