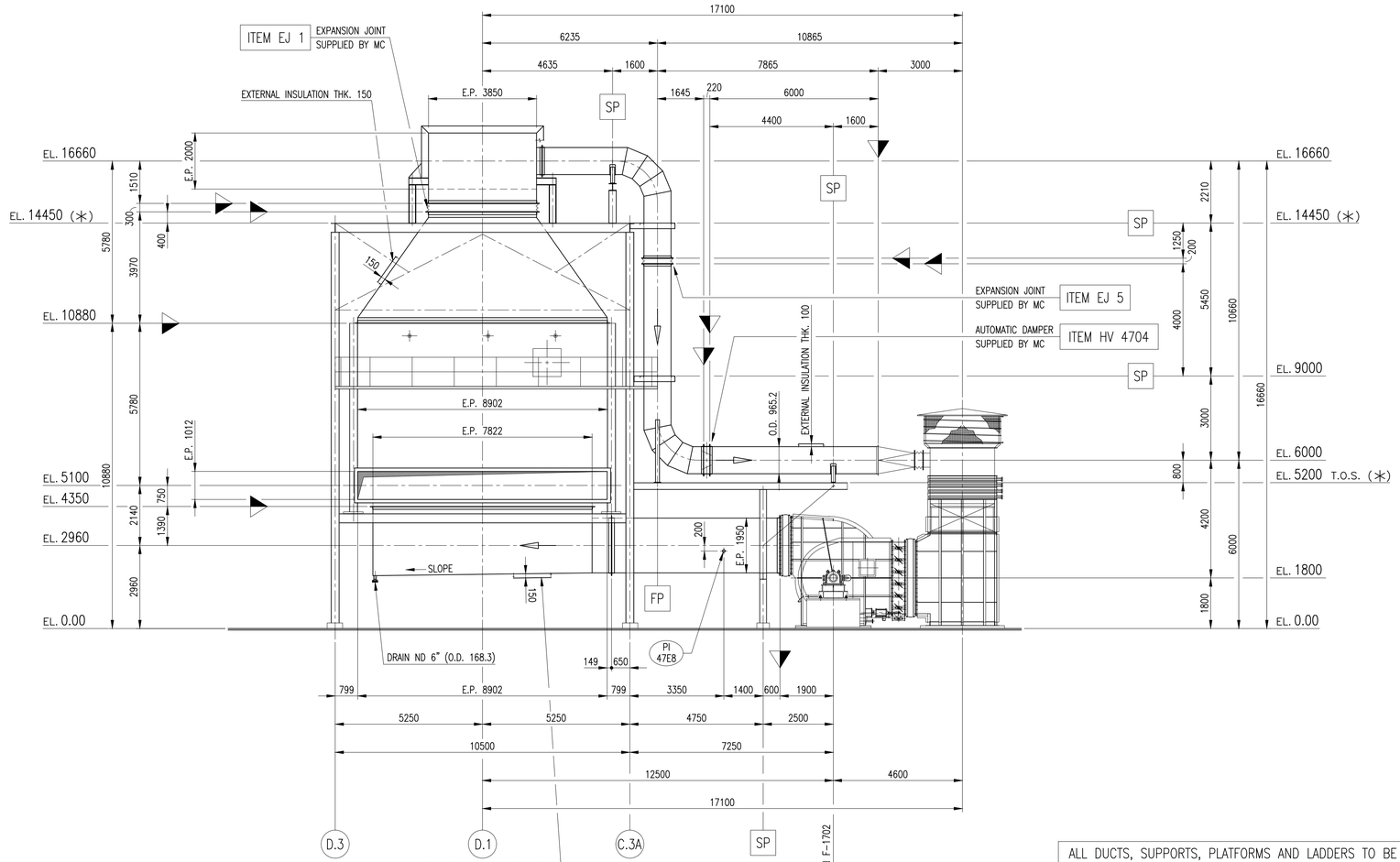
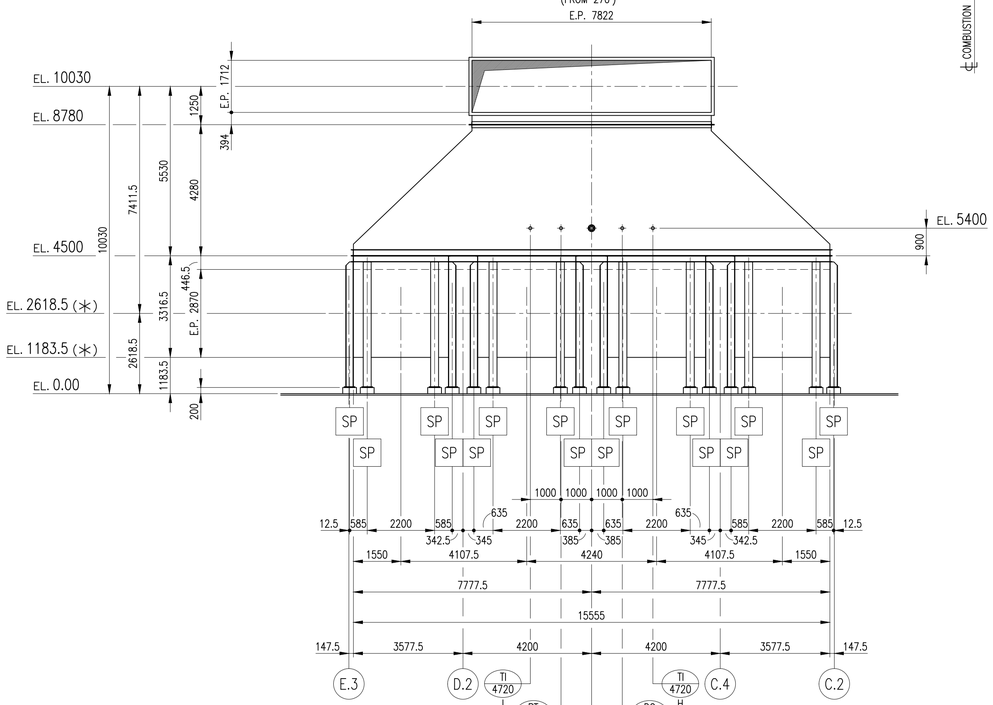


SECTION C-C

(FROM 270°)

EXTERNAL INSULATION THK. 150



SECTION D-D

(FROM 270°)

ALL DUCTS, SUPPORTS, PLATFORMS AND LADDERS TO BE SUPPLIED BY TOAZ

MC
TOAZ

(*) TO BE VERIFIED ON FIELD

INSTRUMENT CONNECTION

TAG NUMBER	QT.	DESCRIPTION	LOCATION	DIMENSION
PT 47E3 A	1	AIR PRESSURE TRANSMITTER	COMB. AIR	HALF COUPLING 1/2" NPT
PT 47E3 B	1	AIR PRESSURE TRANSMITTER	COMB. AIR	HALF COUPLING 1/2" NPT
PT 47E3 C	1	AIR PRESSURE TRANSMITTER	COMB. AIR	HALF COUPLING 1/2" NPT
PT 47E5	1	AIR PRESSURE TRANSMITTER	COMB. AIR	HALF COUPLING 1/2" NPT
TI 47E1	1	AIR TEMPERATURE	COMB. AIR	HALF COUPLING 1/2" NPT
PI 47E4	1	AIR PRESSURE	COMB. AIR	HALF COUPLING 1/2" NPT
PI 47E1 A÷M	13	AIR PRESSURE	COMB. AIR	HALF COUPLING 1/2" NPT
PI 47E2 A÷M	13	AIR PRESSURE	COMB. AIR	HALF COUPLING 1/2" NPT
PI 47E8	1	AIR PRESSURE	COMB. AIR	HALF COUPLING 1/2" NPT
FT 4771	1+1	AIR FLOW TRANSMITTER	COMB. AIR	INSTRUMENT CONNECTIONS (SUPPLIED BY ANNUBAR MER.)
AT 4703	1	FLUE GAS ANALYZER	FLUE GAS	FLANGE 4" 150 lb R.F.
AT 4704	1	FLUE GAS ANALYZER	FLUE GAS	FLANGE 4" 150 lb R.F.
PT 47E6	1	FLUE GAS ANALYZER	FLUE GAS	HALF COUPLING 1/2" NPT
PT 4714	1	FLUE GAS PRESSURE TRANSMITTER	FLUE GAS	HALF COUPLING 1/2" NPT
DG 4713	1	FLUE GAS DRAFT GAUGE	FLUE GAS	HALF COUPLING 1/2" NPT
DG 4706 A	1	FLUE GAS DRAFT GAUGE	FLUE GAS	HALF COUPLING 1/2" NPT
DG 4706 B	1	FLUE GAS DRAFT GAUGE	FLUE GAS	HALF COUPLING 1/2" NPT
TI 4720 H	1	FLUE GAS TEMPERATURE	FLUE GAS	HALF COUPLING 1 1/2" NPT
TI 4720 I	1	FLUE GAS TEMPERATURE	FLUE GAS	HALF COUPLING 1 1/2" NPT
TI 47E2 A	1	FLUE GAS TEMPERATURE	FLUE GAS	HALF COUPLING 1/2" NPT
TI 47E2 B	1	FLUE GAS TEMPERATURE	FLUE GAS	HALF COUPLING 1/2" NPT
TI 47E3	1	FLUE GAS TEMPERATURE	FLUE GAS	HALF COUPLING 1/2" NPT

EXPANSION JOINT

ITEM	DUCT	Q.TY	DIM. DUCT EXTERNAL PLATE	DIMENSION FOR ERECTION	THK. EXT. INSULATION
EJ 1	COMB. AIR	1	3850 x 2000	300	150
EJ 2	COMB. AIR	2	1000 x 400	300	100
EJ 3	COMB. AIR	11	1000 x 600	300	100
EJ 4	COMB. AIR	260	DIAM. 180	200	75
EJ 5	RECYCLE AIR	1	DIAM. 965.2	200	100
EJ 10	FLUE GAS	1	7822 x 1712	300	150

DAMPER

ITEM	TYPE	Q.TY	DIM. DUCT EXTERNAL PLATE	LENGTH DAMPER	THK. EXT. INSULATION	DUCT
D 1	MANUAL	2	1000 x 400	220	100	COMB. AIR
D 2	MANUAL	11	1000 x 600	220	100	COMB. AIR
HV 4704	AUTOMATIC	1	DIAM. 965.2	220	100	RECYCLE AIR

CONDOTTI ARIA & FUMI

REFORMER

COMM. A.E. C 386-04

REV.	DATE		DWN	DWN CHK.D	MECH. CHK.D	INSTR. CHK.D	PROC. CHK.D	PIPING CHK.D	APPR.D
D	18/01/05	REVISED WHERE SHOWN WITH D	A.E.						
C	26/11/04	GENERAL REVISION	A.E.						
B	28/09/04	ISSUED FOR CONSTRUCTION	A.E.						
A	26/07/04	ISSUE	A.E.						

METHANOL CASALE S.A.

TOAZ – TOGLIATTI – RUSSIA

M–M METHANOL PLANT

UNIT 1700 – AREA "4"

AIR DUCTS AND FLUE GAS DUCTS GENERAL LAYOUT (ELEVATION) (2/2)

SCALE : 1:100	TYPE ACAD–A1	DWN. CHK.D	PROC. CHK.D	INSTR. CHK.D	JOB	DRAWING NUMBER	SHEET 1 of 1	REV.
DATE : 26/07/04	DWN A.E.	MECH. CHK.D	PIPING CHK.D	APPR.D	6096–00	6096–00–MDH–750–2		D

THIS DRAWING HAS A CONFIDENTIAL NATURE AND IS THE PROPERTY OF "METHANOL CASALE S.A." LUGANO WHICH WILL PROTECT ITS RIGHTS ACCORDING TO THE LAW

ALFA ENGINEERING
Consulenza e Progettazione dal 1983

TOAZ – TOGLIATTI – RUSSIA – M–M METHANOL PLANT

UNIT 1700 – AREA "4"

AIR DUCTS AND FLUE GAS DUCTS GENERAL LAYOUT (ELEVATION) (2/2)

This drawing and information are property of Alfa Engineering s.a.s. and are not to be reproduced, copied, lent or disclosed without written permission.

DWN.	26/07/04	A.E.	NAME FILE: C386–04–002–A1–R3	
CKD.	–	F.M.A.	DWG. 38604–A1–002	REV. 3
APP.	–	ALFA ENG.	SCALE: 1:100	