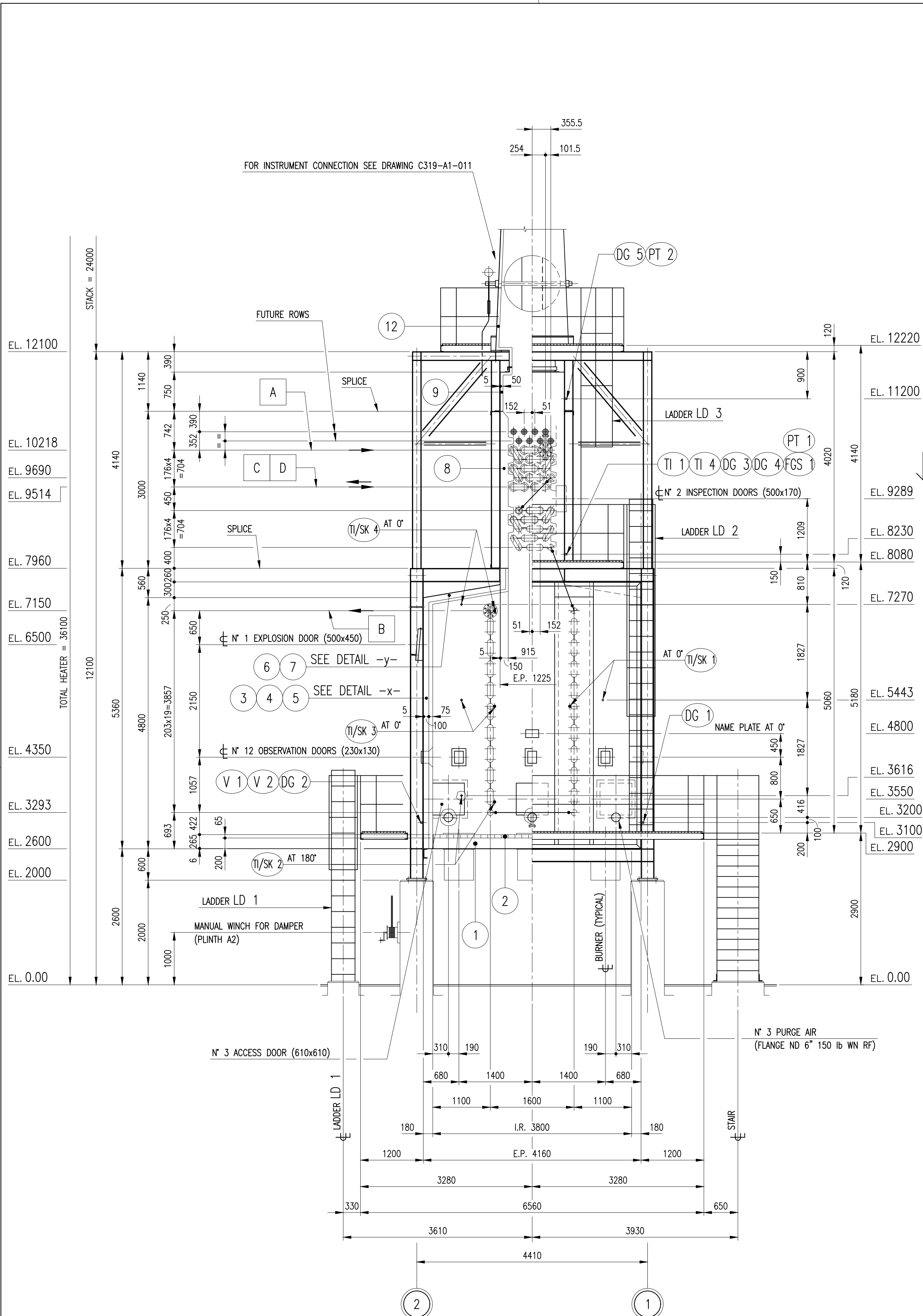
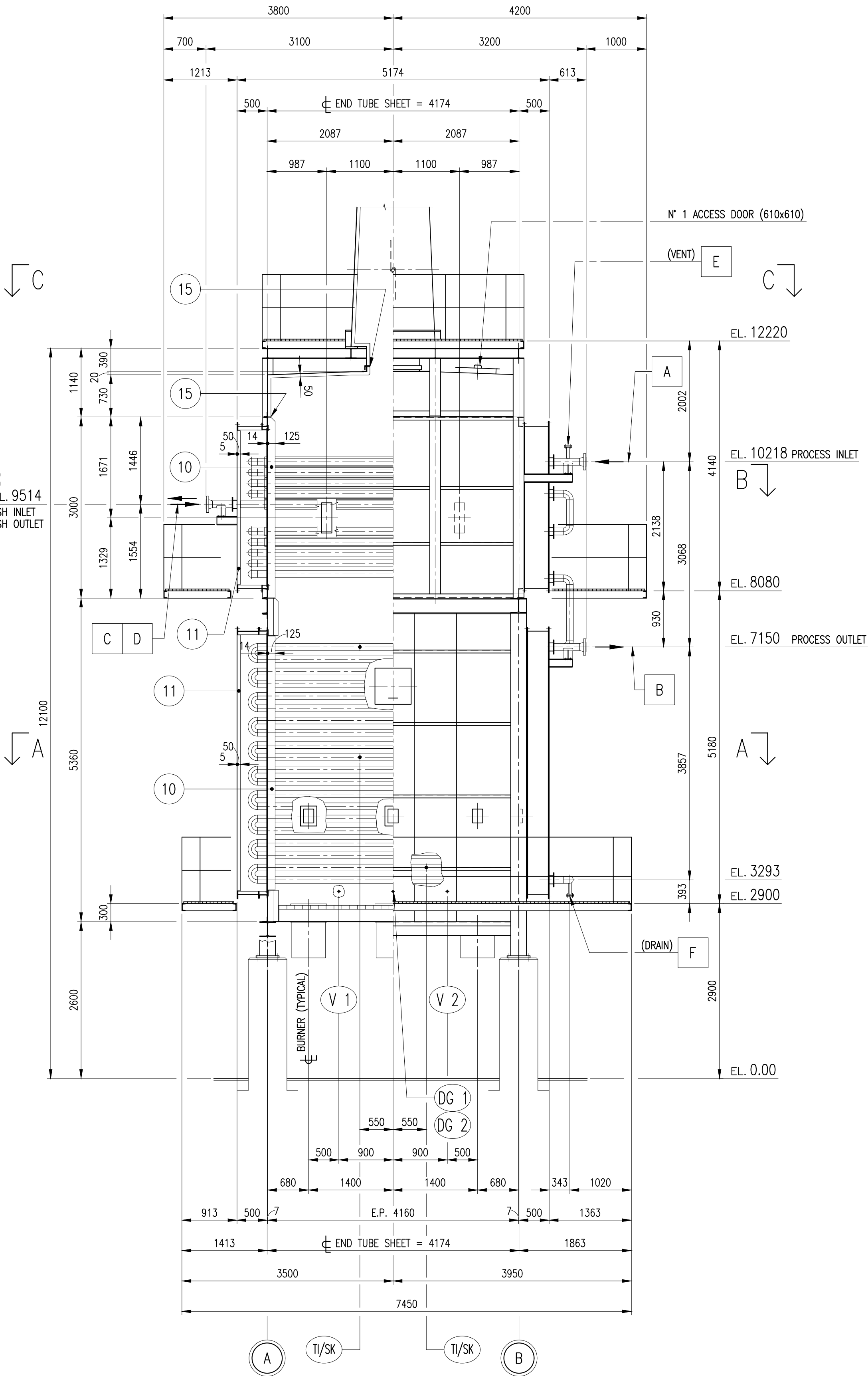
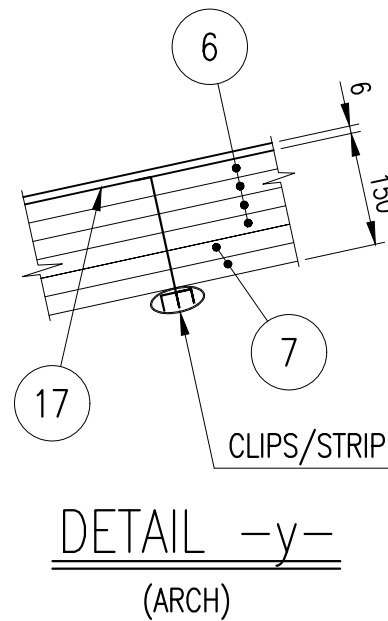
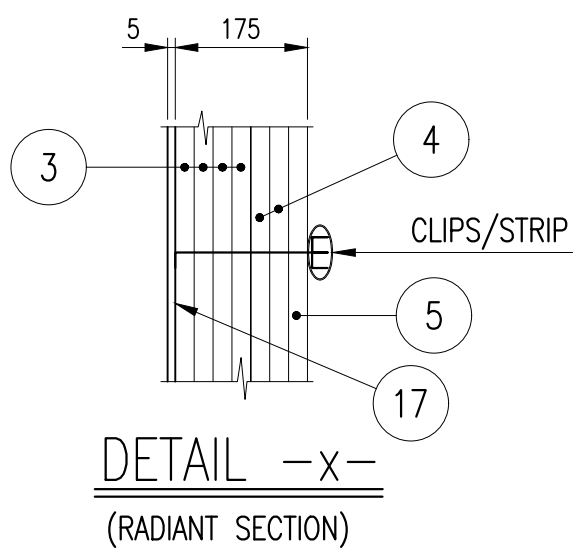




1/2 SECTION 1/2 VIEW FROM 180°
(HEATER)



1/2 SECTION 1/2 VIEW FROM 270°
(HEATER)

FEED HEATER

COMM. A.E. C 319-02

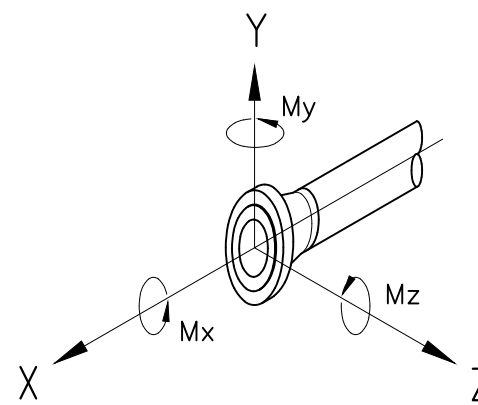
SIMECO s.r.l. ENGINEERS & CONTRACTORS COMM. - Job : 01250.00	CLIENTE - Client : VISCOLUBE PIEVE FISSIRAGA - LODI - ITALY COMM. - Job : V30001	REV-Rev	DATA-Date	FIRMA-Signature
NUOVO IMPIANTO HYDROFINISHING E RIABILITAZIONE OFF-SITES	Fg/Sh 1 di Of 1	DOC N°	500-FL5700	

REFRACTORY SPECIFICATION				ANCHORS SPEC.	
ITEM	THK.	DESCRIPTION		TYPE	MATERIAL
1	65	BRICKS ASTM C27 HIGH DUTY (FIELD INSTALLED)		-	
2	200	CASTABLE INSULATION V.L.W. (MIX 1:6) (FIELD INSTALLED)		-	
3	100	CERAMIC FIBRE THK. 1" (4 LAYERS =100 mm) DENS. 96 Kg/m³ - 1260 °C		┆	ASI 310 WITH CLIPS
4	50	CERAMIC FIBRE THK. 1" (1 LAYERS =50 mm) DENS. 128 Kg/m³ - 1260 °C		┆	ASI 310 WITH CLIPS
5	25	CERAMIC FIBRE THK. 1" (4 LAYERS =100 mm) DENS. 96 Kg/m³ - 1260 °C		┆	ASI 310 WITH CLIPS
6	100	CERAMIC FIBRE THK. 1" (2 LAYERS =50 mm) DENS. 128 Kg/m³ - 1260 °C		┆	ASI 310 WITH CLIPS
7	50	CASTABLE INSULATION L.W.C. (MIX 1:2:4)		✓	ASI 304
8	150	CASTABLE INSULATION L.W.C. (MIX 1:2:4)		✓	CARBON STEEL
9	50	CASTABLE INSULATION L.W.C. (MIX 1:2:4)		✓	ASI 304
10	125	CASTABLE INSULATION L.W.C. (MIX 1:2:4)		✓	CARBON STEEL
11	50	CASTABLE INSULATION L.W.C. (MIX 1:2:4)		✓	CARBON STEEL
12	50	CASTABLE INSULATION M.W.C. (MIX 1:4)		✓	CARBON STEEL
13					
14					
15	12.7	CERAMIC FIBRE DENSITY 96 Kg/m³ - 1260 °C TYPICAL FOR JOINT		-	
16					
17	0.4	EPOXY TAR PROTECTIVE COATING (INTERNAL RADIANT/ARCH CASING)		-	

REFERENCE DRAWING		
ITEM	DESCRIPTION	DRAWING NUMBER
A1	GENERAL ARRANGEMENT (ELEVATION)	C319-A1-010
B1	GENERAL ARRANGEMENT (SECTIONS)	C319-A1-011
C1	FOUNDATION LOADING PLAN	C319-A1-015
D1	COIL ARRANGEMENT (RADIANT)	C319-A1-017
E1	COIL ARRANGEMENT (CONVECTION)	C319-A1-018

GENERAL NOTES:
1) ALL DIMENSIONS ARE REFERED TO PLAN ELEVATION = EL. 0.00 (EL. +200 PLANT T.D.A.)
2) ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE INDICATED
3) GALVANIZED GRATING 30x100 PLATE 30x3 TYPE ANTI-SLIP
4) TO INSERT EPOXY TAR INSIDE THE BOLDING JOINT (MATERIAL SUPPLIED BY SCANDIUZZI)

MAX ACCETTABLE LOADS ON NOZZLE FROM INLET AND OUTLET PIPING
PROCESS INLET/OUTLET = F max ±4 kN M max ±2 kNm
STEAM SUPERHEATER INLET/OUTLET = F max ±4 kN M max ±2 kNm



FOR GENERAL ARRANGEMENT (SECTIONS) AND CONNECTION SPECIFICATION SEE DRAWING C319-A1-011

5			
4			
3			
2	REVISED WHERE SHOWN	18/10/02	A.E. F.M.A.
1	ISSUED FOR CONSTRUCTION	16/07/02	A.E. F.M.A.
0	ISSUED FOR APPROVAL	31/05/02	A.E. F.M.A.

REV.	DESCRIZIONE / DESCRIPTION	DATA DATE	FIRMA SIGN	CONTROLLATO CHECKED
SCANDIUZZI SUD COSTRUZIONI METALLICHE - IMPIANTI INDUSTRIALI Sede legale: Via FAVE - 31040 VULPAGO DEL MONTELLO (TV) ITALY Sede operativa: Via ENRICO FERMI - 72100 BRINDISI (BR) ITALY TEL. (0831)575016 - FAX (0831)575086				
ALFA ENGINEERING CONSULENZA E PROGETTAZIONE FORNI PETROLCHIMICI Via ROBECCO 41/A - 20092 CINISELLO BALSAIO (MI) ITALY TEL. (02)6126832 - FAX (02)66013486 e-mail: alfaengineering@libero.it				

CLIENTE CLIENT	VISCOLUBE S.p.A. PIEVE FISSIRAGA (LODI)-ITALIA ORDINE VISCOLUBE V30001 NR 010	COMMESSA SCANDIUZZI / JOB	COMMESSA ALFA ENGINEERING / JOB
PROGETTO PROJECT	NUOVO IMPIANTO HYDROFINISHING E RIABILITAZIONE OFF-SITES	VISTA / VIEW	N° FILES
OGGETTO OBJECT	FEED HEATER ITEM PH-501	SCALA / SCALE	FORMATO / FORM
	GENERAL ARRANGEMENT (ELEVATION)	1:50	A1
		DISEGNO / DRAWING	FOGLIO / SHEET
		C319-A1-010	REV. REV.
			1 di 1
			2

ALFA ENGINEERING Consulenza e Progettazione dal 1983			
VISCOLUBE S.p.A.			
NUOVO IMPIANTO HYDROFINISHING E RIABILITAZIONE OFF-SITES			
FEED HEATER ITEM PH-501 - GENERAL ARRANGEMENT (ELEVATION)			
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DWN.	31/05/02	A.E.	NAME FILE: C319-02-010-A1-R2
CKD.	-	F.M.A.	DWG. 31902-A1-010
APP.	-	ALFA ENG.	SCALE: 1:50
			REV. 2