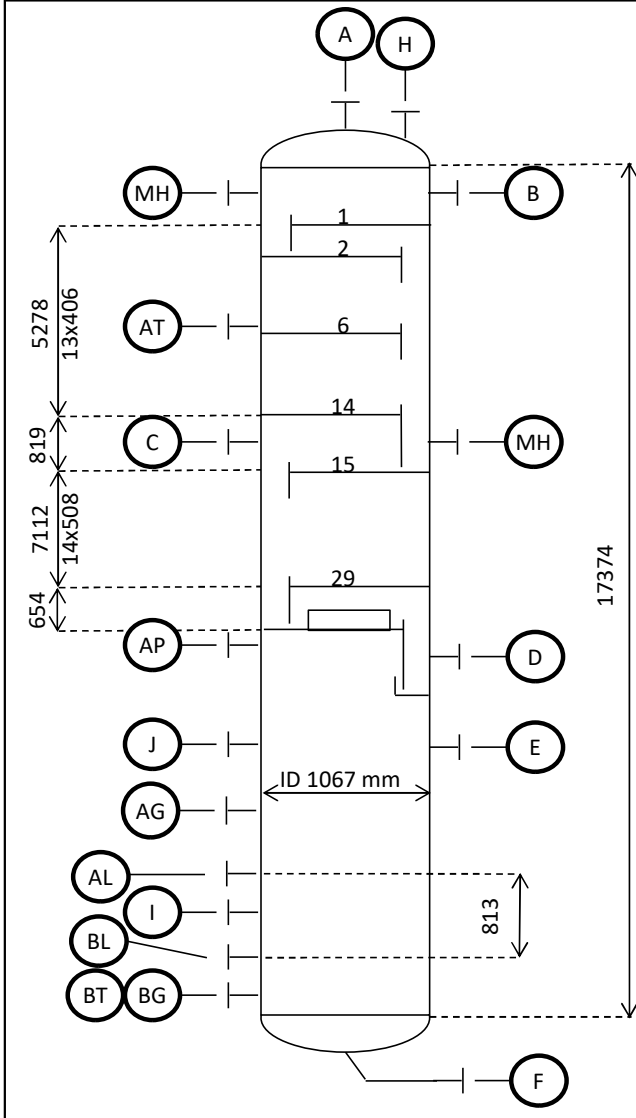


Design case IR 2018

Company:	Ancap
Unit:	R2R - Vapor recovery
Item:	404-E
Service:	C3/C4 Splitter

General Arrangement



Operating Conditions		Temperature	°C	102
		Pressure	kg/cm2 g	17.8
Design Conditions	(1)	Temperature	°C	150
		Pressure	kg/cm2 g	21
	(2)	Temperature	°C	
		Pressure	kg/cm2 g	
Number of trays			29	
Heads profile			Elliptical	
Insulation			Yes	
	Materials		Corrosion allowance	
Shell	Carbon steel		3 mm	
Internals				
Trays				
CONNECTIONS NOMENCLATURE				
Mark	Qty	Size	Elevation from TL	Service
A	1	6"	17894	Vapor outlet
B	1	3"	17145	Reflux inlet
C	1	3"	10744	Feed inlet
D	1	8"	1905	Reboiler feed
E	1	10"	1016	Reboiler return
F	1	3"	-610	Bottom outlet
I	1	3"	560	Liquid return
MH	3	20"		Manhole
H	1	1"	17805	Vent
J	1	1"	2286	Steam out
AL	1	1 1/2"	1067	Level control
BL	1	1 1/2"	254	Level control
AG	1	1 1/2"	1219	Level gauge
BG	1	1 1/2"	152	Level gauge
AP	1	1 1/2"	2972	Pressure control
AT	1	1 1/2"	14490	Thermowell
BT	1	1 1/2"	152	Thermowell

Notes

- (1) Engineering to confirm/modify
- (2) Subject to steamout conditions
- (3) Tray vendor to confirm/modify trays configuration. Refer to Tray loading datasheet
- (4) Distributors by Tray Vendor