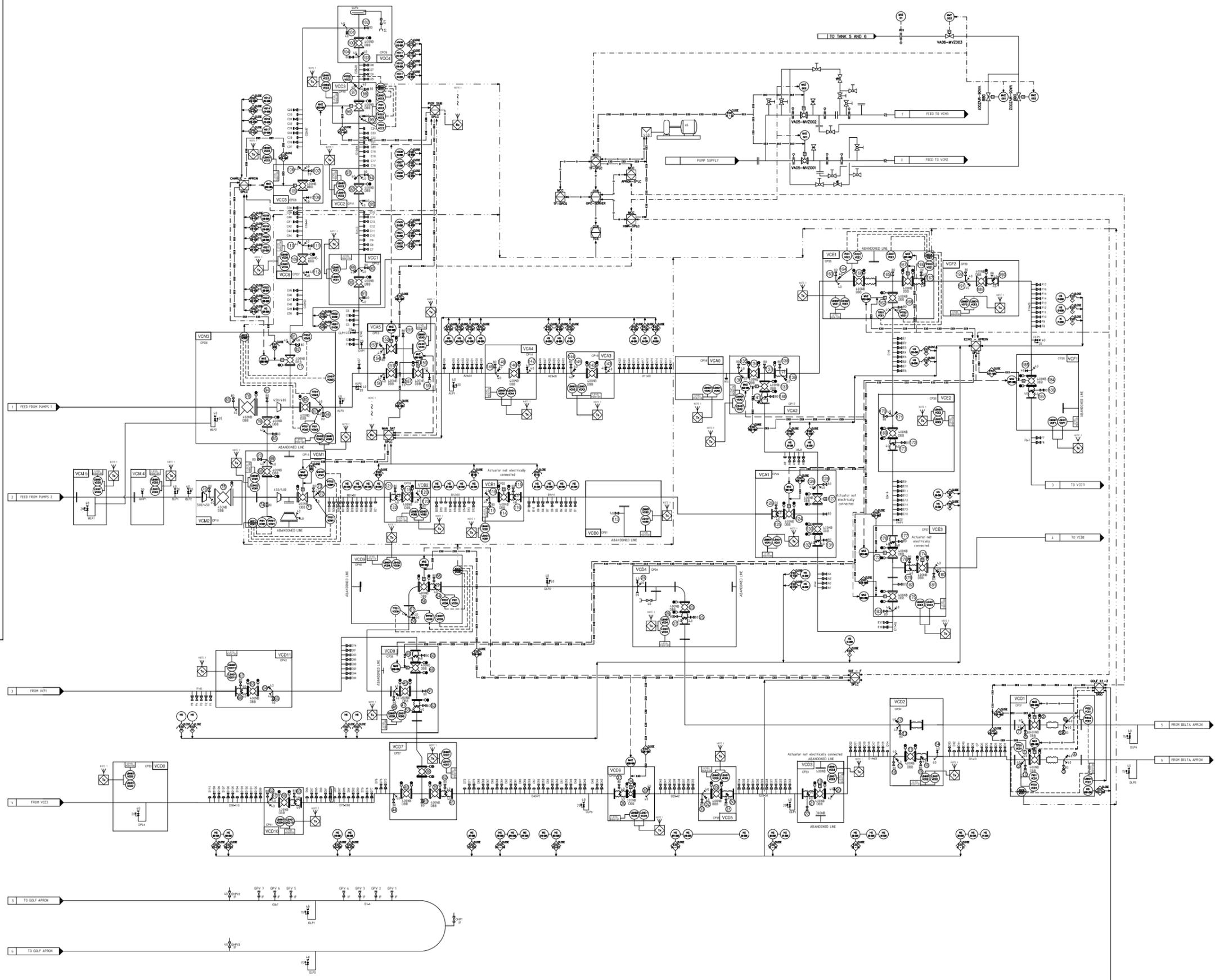


VALVE SYMBOL	VALVE	OP Test Point #	VALVE SYMBOL	VALVE	OP Test Point #
V001	V00-VAS2-ACT	CP21	V004	V00-VAS2-MAN	
V001	V00-VAS2-MAN		V004	V00-VAS4-MAN	
V001	V00-VAS3-MAN		V004	V00-VAS4-MAN	
V001	V00-VAS4-MAN		V005	V00-VAS1-ACT	CP08
V001	V00-VAS6-MAN		V005	V00-VAS2-MAN	
V001	V00-VAS7-MAN		V005	V00-VAS3-MAN	
V001	V00-VAS8-MAN		V005	V00-VAS4-MAN	CP08
V001	V00-VAS10-MAN		V006	V00-VAS2-MAN	
V002	V00-VAS1-MAN	CP12	V006	V00-VAS3-MAN	
V002	V00-VAS2-MAN		V006	V00-VAS4-MAN	CP21
V002	V00-VAS3-MAN		V006	V00-VAS1-MAN	
V002	V00-VAS4-MAN		V006	V00-VAS2-MAN	CP19
V002	V00-VAS5-MAN		V006	V00-VAS3-MAN	
V002	V00-VAS6-MAN		V006	V00-VAS4-MAN	CP24
V002	V00-VAS7-MAN		V006	V00-VAS1-MAN	
V002	V00-VAS8-MAN		V006	V00-VAS2-MAN	CP15
V002	V00-VAS9-MAN		V006	V00-VAS3-MAN	
V002	V00-VAS10-MAN		V006	V00-VAS4-MAN	CP17
V003	V00-VAS1-MAN	CP33	V006	V00-VAS1-ACT	
V003	V00-VAS2-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS3-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS4-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS5-MAN		V006	V00-VAS1-MAN	CP17
V003	V00-VAS6-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS7-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS8-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS9-MAN		V006	V00-VAS1-MAN	CP15
V003	V00-VAS10-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS11-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS12-MAN		V006	V00-VAS4-MAN	CP14
V003	V00-VAS13-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS14-MAN		V006	V00-VAS2-MAN	CP13
V003	V00-VAS15-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS16-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS17-MAN		V006	V00-VAS1-MAN	CP25
V003	V00-VAS18-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS19-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS20-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS21-MAN		V006	V00-VAS1-MAN	CP18
V003	V00-VAS22-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS23-MAN		V006	V00-VAS3-MAN	CP27
V003	V00-VAS24-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS25-MAN		V006	V00-VAS1-MAN	CP18
V003	V00-VAS26-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS27-MAN		V006	V00-VAS3-MAN	CP28
V003	V00-VAS28-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS29-MAN		V006	V00-VAS1-MAN	CP12
V003	V00-VAS30-MAN		V006	V00-VAS2-MAN	CP10
V003	V00-VAS31-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS32-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS33-MAN		V006	V00-VAS1-MAN	CP19
V003	V00-VAS34-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS35-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS36-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS37-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS38-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS39-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS40-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS41-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS42-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS43-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS44-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS45-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS46-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS47-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS48-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS49-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS50-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS51-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS52-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS53-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS54-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS55-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS56-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS57-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS58-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS59-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS60-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS61-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS62-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS63-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS64-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS65-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS66-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS67-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS68-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS69-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS70-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS71-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS72-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS73-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS74-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS75-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS76-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS77-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS78-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS79-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS80-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS81-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS82-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS83-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS84-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS85-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS86-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS87-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS88-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS89-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS90-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS91-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS92-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS93-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS94-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS95-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS96-MAN		V006	V00-VAS4-MAN	
V003	V00-VAS97-MAN		V006	V00-VAS1-MAN	
V003	V00-VAS98-MAN		V006	V00-VAS2-MAN	
V003	V00-VAS99-MAN		V006	V00-VAS3-MAN	
V003	V00-VAS100-MAN		V006	V00-VAS4-MAN	



Revision			
Mark	Date	By	
A	Based for information	14/06/2010	SD
B	Updated GUP Apron Fuel Hydrant section	16/09/2010	SM
C	Updated V001-CP10	22/05/2011	SC
D	Revised Control to Actuators	21/05/16	JK
E	Update P&ID - Comments from Maghem	20/05/11	SM
F	Asst. of Revise	20/05/11	SM
G	Minor Rev. per input to Delta Apron	20/05/11	SM
H	Specialist Rev. per input	20/05/11	SM
I	Update & Instrument numbers completed	20/05/11	SM
J	V004 and V003 2 Added	20/05/11	SM

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**ACSA**  
 AIRPORTS COMPANY SOUTH AFRICA

**OR TAMBO  
 INTERNATIONAL AIRPORT  
 FUEL HYDRANT NETWORK  
 PROCESS & INSTRUMENTATION  
 DIAGRAM**

Drawing checked for co-ordination						
Client	Process	Civil	Electrical	Instr.	Architect	Mechanical
-	-	-	-	-	-	-
Designed	Drawn	Checked	Approved	Date	Drawn	Scale
S. Groom	R. Swanson	Quality Design	G. Human	23/07/2010	ms	
Drawing Number: 8-30-A0-004						Revision: 1

**LEGEND**  
 ● OPEN  
 ● CLOSED