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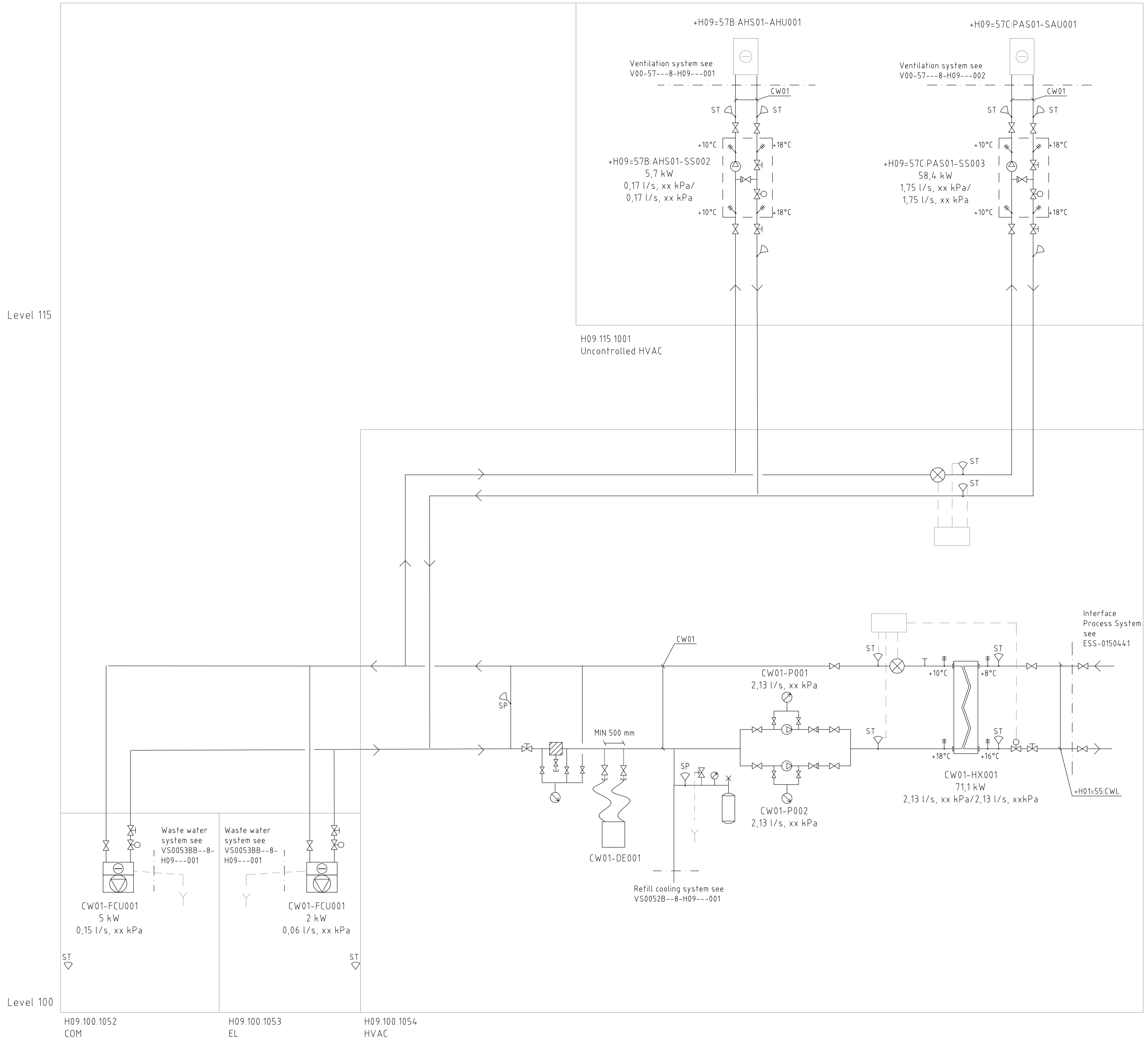
**VS0055C--8-H09---001.pdf**

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	<b>Name</b>	<b>Role/Title</b>
<b>Owner</b>	Magnus Lindström	HVAC Designer
<b>Reviewer</b>	Patrik Persson	HVAC System Owner
	Tobias Hörnfeldt	Requirement engineer
	Martin Hansson	Process System Owner
	Per Persson	ES&H representative
<b>Approver</b>	Boris Kildetoft	Building Owner

- LEGEND**
- SYSTEMS**  
 SYSTEMS PRECIED BY +H09-55C:  
 UNLESS OTHERWISE STATED
- CWL COOLING WATER SYSTEM  
 PRIMARY LOW TEMPERATURE  
 CW COOLING WATER SYSTEM SECONDARY
- COMPONENTS**  
 COMPONENTS PRECIED BY +H09-55C:  
 UNLESS OTHERWISE STATED
- HX HEAT EXCHANGER  
 P PUMP  
 FCU FAN COIL UNIT  
 SS SHUNT UNIT  
 ST SENSOR TEMPERATURE  
 SP SENSOR PRESSURE  
 SM SENSOR MOISTURE
- FLWS AND PRESSURE DROP THROUGH SUBSTATIONS AND HEAT EXCHANGERS ARE DISPLAYED AS:  
 FLOW PRIMARY SIDE, PRESSURE DROP PRIMARY SIDE/  
 FLOW SECONDARY SIDE, PRESSURE DROP SECONDARY SIDE
- |  |                  |  |                                     |
|--|------------------|--|-------------------------------------|
|  | HEAT EXCHANGER   |  | TWO WAY CONTROL VALVE               |
|  | COOLING COIL     |  | THREE WAY CONTROL VALVE             |
|  | SHUNT UNIT       |  | SHUT-OFF VALVE                      |
|  | DEAERATOR        |  | BALANCING VALVE                     |
|  | PUMP             |  | NON RETURN VALVE                    |
|  | WATER METER      |  | SAFETY VALVE                        |
|  | EXPANSION VESSEL |  | RADIATOR VALVE W. ELECTRIC ACTUATOR |
|  | DEAERATOR        |  | THERMOMETER                         |
|  | FAN COIL UNIT    |  | VENT VALVE                          |
|  |                  |  | SENSOR                              |
|  |                  |  | DIRECT READING-MEASURING INSTRUMENT |
|  |                  |  | STRAINER                            |



PD DRAFT 2018-01-17

REV	REVISION TYPE	DATE	SIGN
<b>PRELIMINARY DESIGN</b>			
<b>ESS CONVENTIONAL FACILITIES</b>			
<b>WASTE STORAGE BUILDING</b>			
European Spallation Source ESS AB ESS, Tunavägen 24 P.O. Box 176 SE-221 00 Lund SWEDEN www.ess.se		<b>EUROPEAN SPALLATION SOURCE</b>	
SYSTEM OWNER <b>PATRIK PERSSON</b>		BUILDING OWNER <b>BORIS KILDETOFT</b>	
CONSULTANT <b>WSP SVERIGE AB</b>			
DRAWN BY <b>SPN</b>	MANAGED BY <b>MLM</b>	PROJECT NUMBER <b>10250034</b>	
DATE	APPROVED BY <b>MLM</b>	CHECKED BY <b>MLM</b>	
<b>BUILDING H09 HVAC</b>			
<b>FLOW CHART</b>			
<b>COOLING</b>			
SCALE -			
DRAWING NUMBER <b>VS0055C--8-H09---001</b>			REV <b>1</b>

REF: \MODELL\VS0055C--C-H09---001.DWG \KOMPAS\SYMBOLS.DWG