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**V00-57---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
	Per Persson	ES&H representative
<b>Approver</b>	Boris Kildetoft	Building Owner

LEGEND

SYSTEMS

SYSTEMS PRECIED BY +H09=  
 UNLESS OTHERWISE STATED

AHS AIR HANDLING UNIT SYSTEM  
 PAS PROCESS AIR SYSTEM  
 EAS EXTRACT AIR SYSTEM  
 SAS SUPPLY AIR SYSTEM

S SUPPLY AIR  
 E EXTRACT AIR  
 EX EXHAUST AIR  
 O OUTDOOR AIR

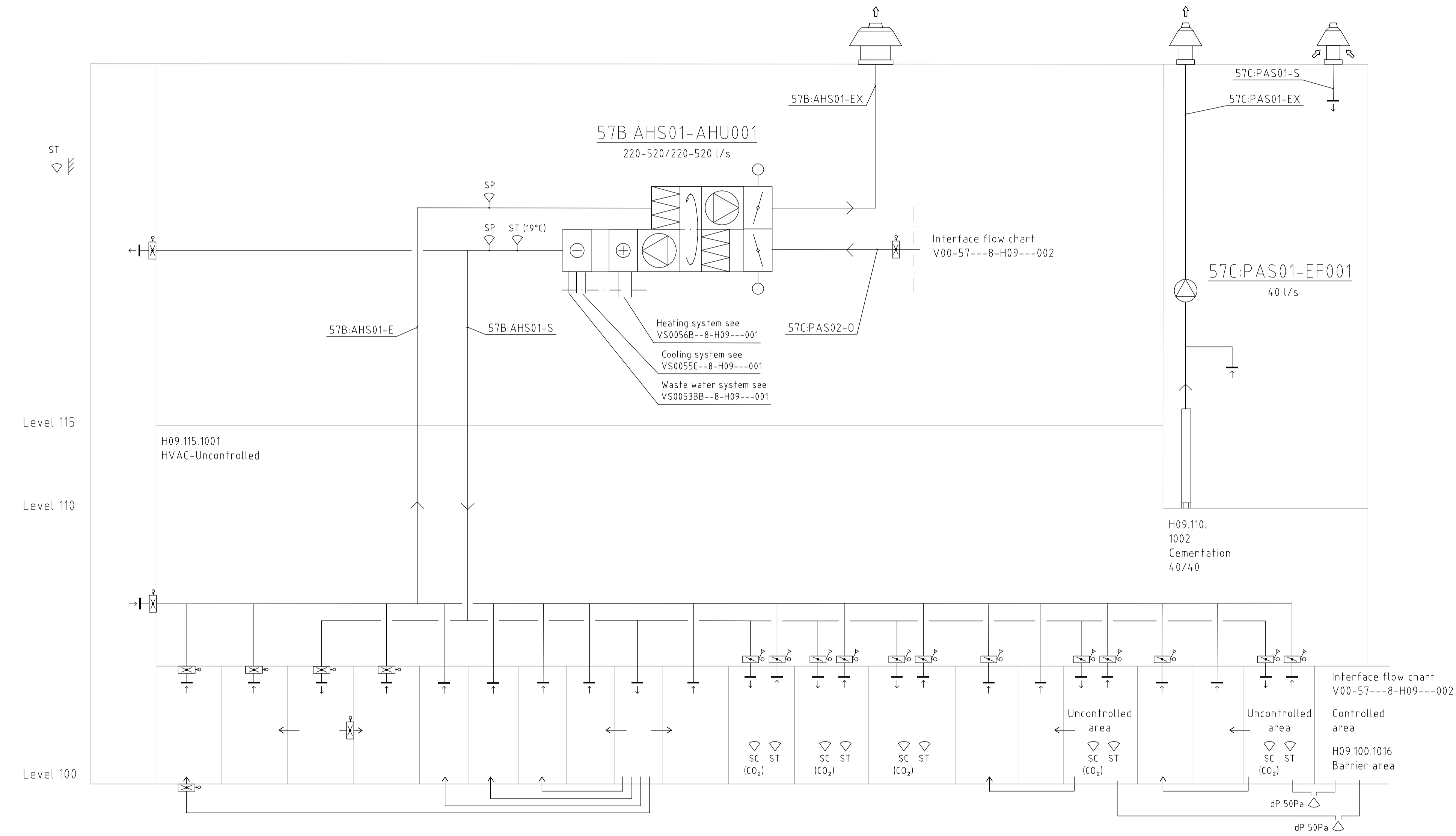
COMPONENTS

COMPONENTS PRECIED BY +H09=  
 UNLESS OTHERWISE STATED

AHU AIR HANDLING UNIT  
 SAU SUPPLY AIR UNIT  
 ATU AIR TRANSFER UNIT  
 EAU EXTRACT AIR UNIT  
 AA AIRFLOW ALARM (FUME HOODS)  
 AC AIR COOLER  
 SF SUPPLY AIR FAN  
 EF EXTRACT AIR FAN  
 SC SENSOR CONCENTRATION  
 SF SENSOR FLOW  
 SM SENSOR MOISTURE  
 SP SENSOR PRESSURE  
 SPo SENSOR POSITION (FUME HOODS)  
 ST SENSOR TEMPERATURE  
 GN SENSOR PRESENCE  
 P PUMP

SUPPLY AIRFLOW MIN - SUPPLY AIRFLOW MAX  
 /EXTRACT AIRFLOW MIN - EXTRACT AIRFLOW MAX  
 (MINIMUM AIRFLOW WHEN PERSONNEL ARE PRESENT)

- COOLING COIL
- HEATING COIL
- CAV DAMPER
- ON/OFF DAMPER
- VAV CONTROL DAMPER WITH FLOW MEASURING DEVICE
- FIRE DAMPER
- FUME HOODS
- FAN
- FILTER
- SENSOR
- HEPA FILTER
- ROTARY HEAT EXCHANGER
- CHEMICAL CUPBOARDS
- EXHAUST AIR TERMINAL
- OUTDOOR AIR TERMINAL
- THERMOMETER
- OUTDOOR AIR LOUVRE
- EXHAUST AIR LOUVRE
- ALARM



H09.100.1104	H09.100.1054	H09.100.1053	H09.100.1052	H09.100.1051	H09.100.1059	H09.100.1057	H09.100.1058	H09.100.1056	H09.100.1055	H09.100.1067	H09.100.1068	H09.100.1069	H09.100.1070	H09.100.1064	H09.100.1065	H09.100.1066	H09.100.1063	H09.100.1062	H09.100.1061
Stair	HVAC	EL	COM	Sprinkler	Storage	Cleaning	WC	HWC	Entrance	Kitchenette	Control room	Office	Staff room	Shower	WC	Changing room	Shower	WC	Changing room
10/10	-/10	-/10	20/-	-/10	-/5	-/15	-/20	-/20	85/-	-/15	5-25/5-25	15-70/15-70	10-100/10-100	-/15-30	-/15	30-85/0-40	-/30-60	-/15	45-125/0-50

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			
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>VENTILATION</b>			
SCALE -			
DRAWING NUMBER <b>V00-57---8-H09---001</b>			REV <b>1</b>

REF: \\MODELL\V00-57---8-H09---001.DWG \XOMPAS\SYMBOL\S.DWG