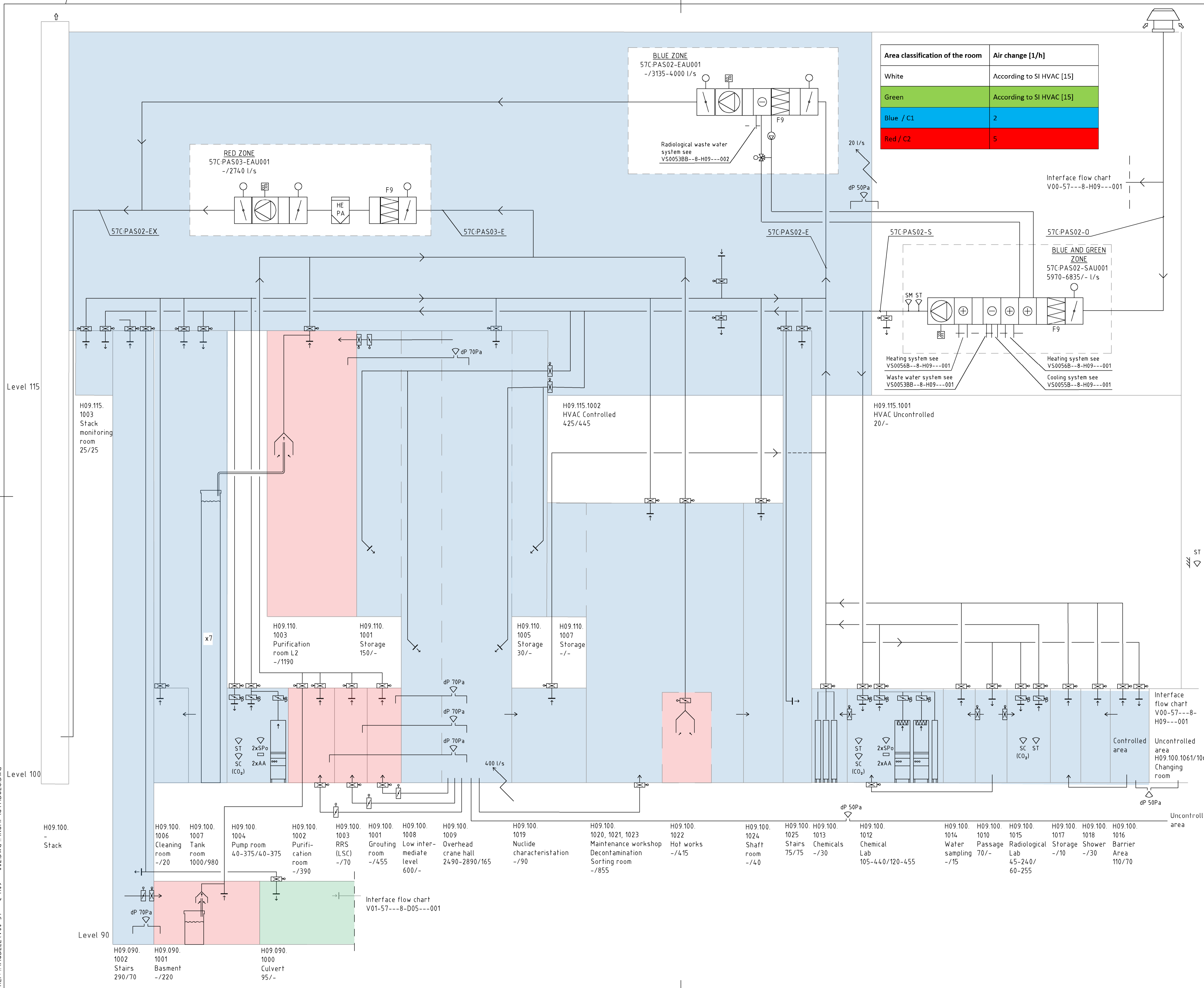

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	Name	Role/Title
Owner	Magnus Lindström	HVAC Designer
Reviewer	Patrik Persson	HVAC System Owner
	Tobias Hörnfeldt	Requirement engineer
	Martin Hansson	Process System Owner
	Per Persson	ES&H representative
	Lena Johansson	ES&H representative
Approver	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

PD DRAFT 2018-01-17

REV	REVISION TYPE	DATE	SIGN

PRELIMINARY DESIGN
ESS CONVENTIONAL FACILITIES
WASTE STORAGE BUILDING

European Spallation Source ESS AB
 ESS, Tunavägen 24
 P.O. Box 176
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 SWEDEN
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BUILDING OWNER
BORIS KILDETOFT

CONSULTANT
WSP SVERIGE AB

SYSTEM OWNER
PATRIK PERSSON

MANAGED BY
MLM

PROJECT NUMBER
10250034

DRAWN BY
SPN

APPROVED BY
MLM

CHECKED BY
MLM

BUILDING H09 HVAC
FLOW CHART
CONTROLLED VENTILATION

SCALE
 -

DRAWING NUMBER
V00-57---8-H09---002

REV
1

REF: \MODELL\100-57---C-H09---002.DWG...KOMP\1\SYMBOL\5.DWG