See Ground Floor Drawing IS1R-M01-01-002

NOTES

- MODULATING CONTROL VALVE – WITHOUT CURRENT CLOSED
- MODULATING CONTROL VALVE – WITHOUT CURRENT OPEN
- VALVE
- NON RETURN VALVE
- BALANCING VALVE
- CLOSED VALVE IN NORM.OP.
- SAFETY VALVE
- GATE VALVE
- GAUGE / TEMP
- GAUGE / PRESSURE
- MEASURING POINT
- TEMPERATURE TRANSMITTER
- PRESSURE TRANSMITTER
- PRESSURE SWITCH
- HUMIDITY TRANSMITTER
- CONTROL DAMPER
- CONTROL DAMPER – WITHOUT CURRENT CLOSED
- SMOKE DAMPER
- SWITCH
- DAMPER
- AIRFLOW MEASURE
- REHEATING COIL (RC)
- ATTENUATOR
- AIR VENT
- STRAINER
- AIR SEPARATURE
- PUMP
- MANUAL PUMP
- EXPANSION TANK
- HEAT EXCHANGER
- PRESSURE CONTROLLER

SUPPLY AIR IN BASEMENT = 7.750/8.350 m³/h

1880 m³/h — AT-HV01-3

R0122 – Technical Space: 650 m³/h, 500 m³/h — 01-R0122-E-01, 01-R0122-E-02, 01-R0122-5-01, 01-R0122-5-02

R0120 – Technical Space Electricity; R0134 – Technical Space Electricity: SD-HV01-11, SD-HV01-12, SD-HV01-13, SD-HV01-14; 350 m³/h, 380 m³/h — 01-R0120-5-01, 01-R0134-5-01, 01-R0120-E-01, 01-R0134-E-01

R0130 – Stability Chambers (+ R0123 – R0129 – Stability Rooms): SD-HV01-15, 1000 m³/h — 01-R0130-5-01 … 01-R0130-5-07

Fan Cool Units: FC-CW03-04, FC-CW03-03, FC-CW03-02, FC-CW03-01

SD-HV01-16, 1200 m³/h — 01-R0130-E-01, 01-R0130-E-02, 01-R0130-E-03

Cooling System, See Drawing: IS1R-M20-/-101

Heating System, See Drawing: IS1R-M50-/-102

CV-HV01-6, BV-HV01-9, AT-HV01-4, 2100/2650 m³/h, RC-HV01-1

CV-HV01-7, BV-HV01-10, AT-HV01-6, TT-HV01-6, RC-HV01-2, 3450/3750 m³/h

SD-HV01-18

SD-HV01-17

R0135 – Staircase 2; R0137 – Corridor 4: SD-HV01-1, SD-HV01-3, 400 m³/h — 01-R0135-5-01

R0136 – Lab Services; R0139 – Technical Space: 350 m³/h, 300 m³/h — 01-R0136-E-01, 01-R0139-E-01, 01-R0136-5-01, 01-R0139-5-01

R0121 – Corridor 2; R0131 – Corridor 3: SD-HV01-2, 450 m³/h — 01-R0121-5-01

R0108 – Corridor 1: 500/550 m³/h — 01-R0108-5-01, 01-R0108-5-02; FD-HV01-3

SMOKE VENT

R0112 – Staircase 1; R0138 – Corridor 5: SD-HV01-4, SD-HV01-5, 350 m³/h — 01-R0112-5-01, 01-R0138-5-01

R0119 – Document Store: FD-HV01-1, FD-HV01-2, 300 m³/h, 300 m³/h — 01-R0119-5-01, 01-R0119-E-01

R0101 – Female Change; R0105 – Male Change; R0114 – Lobby: SD-HV01-6, SD-HV01-7, SD-HV01-8, 1150 m³/h — 01-R0101-5-01, 01-R0101-5-02, 01-R0105-5-01, 01-R0114-5-01

Male: R0106 – Showers; R0107 – WC: 400 m³/h — 01-R0106-E-01, 01-R0106-E-02, 01-R0107-E-01

Female: R0100 – WC; R0102 – Showers; R0103 – WC: SD-HV01-9, 550 m³/h — 01-R0100-E-01, 01-R0102-E-01, 01-R0102-5-01, 01-R0103-E-01

R0104 – Janitor; R0111 – WC; R0113 – WC: SD-HV01-10, SD-HV01-23, 250 m³/h — 01-R0104-E-01, 01-R0111-E-01, 01-R0113-E-01

R0109 – Raw Material Store; R0110 – Sample Store: 300 m³/h, 300 m³/h — 01-R0109-5-01, 01-R0110-5-01, 01-R0109-E-01, 01-R0110-E-01

R0115 Formulation Development Lab: 940/1050 m³/h, 1310/1350 m³/h — 01-R0115-E-01, 01-R0115-E-02, 01-R0115-E-03, 01-R0115-5-01, 01-R0115-5-02, 01-R0115-5-03, 01-R0115-5-04

TT-HV01-5; 1350/1650 m³/h; 340 m³/h; CD-HV01-2

60 m³/h — 01-R0115-WC-01

CD-HV01-7, CD-HV01-8; 40/600 m³/h; SW-HV01-1, SW-HV01-2 — 01-R0115-E-04, 01-R0115-E-05, 01-R0118-H-02, 01-R0118-H-03

R0116 Wash Room: 150 m³/h, 250 m³/h — 01-R0116-5-01, 01-R0116-E-01

R0117 Cooling Room: 300/250 m³/h, 300 m³/h; CD-HV01-3; 300/550 m³/h — 01-R0117-5-01, 01-R0117-5-02, 01-R0117-E-01, 01-R0117-E-02

R0118 Compression Yellow Room: 300 m³/h — 01-R0118-5-01, 01-R0118-H-01, 01-R0118-E-01

(2×30+2×300) m³/h; 450/700 m³/h; 700 m³/h

FAN-HV01-5; 450/700 m³/h; 150 m³/h

R0122 Technical Space

150/200 m³/h; 150/200 m³/h; 400 m³/h; 100 m³/h; 150 m³/h; 150 m³/h

See Ground Floor Drawing IS1R-M01-01-002

EXHAUST 6.490/7.460 m³/h

PT-HV01-6, PT-HV01-5; MAG; EU8; FH-HV01-4; AT; FAN-HV01-04; 40/600 m³/h

AT-HV01-7: 2550 m³/h, 700 m³/h, 1100 m³/h, 940/1050 m³/h

CD-HV01-4: 800/1360 m³/h

CD-HV01-5: 450/700 m³/h

FH-HV01-3; EU8; MAG; PT-HV01-7; CD-HV01-6: 700 m³/h

Leakage (max 10%)

AHU-HV01-01 SUPPLY UNIT

MAG; PT-HV01-1; FC-HV01-1; FC; TT-HV01-3; TT-HV01-2; MAG

EU9; FAN-HV01-01; HF-HV01-1; EU6; CD-HV01-1

HT-HV01-1; TT-HV01-4; 30.000/48.000 (55.000) m³/h; Design Max. 64.000 m³/h

Fresh Air; 30.000/48.000 (55.000) m³/h; Design Max. = 64.0000 m³/h

AIR INTAKE

FH-HV01-2; AT-HV01-2; AT-HV01-1; FH-HV01-1

CV-HV01-5; Heating System, See Drawing: IS1R-M50-/-102; BV-HV01-1

HC-HV01-2; CC-HV01-2; HC-HV01-3; CV-HV01-4; HC-HV01-1

Cold Water See Drawing 1S1R-M40/41-/-101

To Drainage; PC-HV01-1; BV-HV01-2

TT-CW20-1; CV-CW20-1; Cooling System, See Drawing: IS1R-M20-/-101

BV-HV01-3; BV-HV01-5; BV-CW20-2; HE-HV01-1; CV-HV01-2; BV-HV01-6

Heating System, See Drawing: IS1R-M50-/-102

PU-HV01-1; PS-HV01-1; PS; CV-HV01-3; BV-HV01-7; BV-HV01-8

Heating System, See Drawing: IS1R-M50-/-102

Innheimtumiðstöð Hafnarfjarðar Móttekið 06 OKT. 2005

X	Xxx	xx.xx.xxxx
No.	AMENDMENT	Date

actavis

Reykjavikurvegur 80, Hafnarfjordur
R-Laboratory Building – New Building
HVAC – System 01 – Schematic Drawing
Part 1, Basement

Drawing No.: IS1R-M01-00-001

Date.: 28.09.2005 | Scale: None | Project No.: 375

Filename: Schematic-HV-PRE-REV-sept-1.dwg | Design by: FSK/SK | Drawn: FSK/HBG | Checked by: x/x

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