



GROUND FLOOR INTERNAL TERMINAL UNIT SCHEDULE						
UNIT REF.	No.	DESCRIPTION	COOLING CAPACITY (kW)	HEATING CAPACITY (kW)	AIR QTY. (l/s Each)	POWER REQUIREMENTS (V / Ph / Hz) FLA (amps)
IU 01	3	*4 WAY BLOW CASSETTE UNIT	2.20	2.50	125.00	12.60 230 / 1 / 50 0.200
IU 02	3	*4 WAY BLOW CASSETTE UNIT	2.80	3.20	133.30	13.70 230 / 1 / 50 0.200
IU 03	2	*4 WAY BLOW CASSETTE UNIT	3.60	4.00	145.00	13.70 230 / 1 / 50 0.200
IU 04	1	*4 WAY BLOW CASSETTE UNIT	4.50	5.00	183.30	15.00 230 / 1 / 50 0.200
IU 05	0	*4 WAY BLOW CASSETTE UNIT	5.80	6.30	187.00	15.00 230 / 1 / 50 0.200
IU 06	1	*4 WAY BLOW CASSETTE UNIT	7.10	8.00	383.30	27.00 230 / 1 / 50 0.200
IU 07	1	*CEILING CONCEALED DUCTED UNIT	22.40	25.20	1000.00	87.00 380/3/50 5.200
IU 08	0	*CEILING CONCEALED DUCTED UNIT	28.10	31.50	1200.00	87.00 380 / 3 / 50 5.200
*LG ELECTRONICS, DAKIN, JIMTUSHI OR EQUAL AND APPROVED						
GROUND FLOOR FRESH AIR SUPPLY FAN SCHEDULE						
UNIT REF.	No.	DESCRIPTION	AIR QTY. (l/s each)	PRESSURE (Pa)	FAN SPEED (RPM)	POWER REQUIREMENTS (V / Ph / Hz) ABSORBED (kW)
FAF-G-01	1	*V-KPFF FD 500 x 300.4	510.00	90	932	230 / 1 / 50 0.085
FAF-G-02	1	*V-KPFF FD 500 x 300.4	117.00	70	800	230 / 1 / 50 0.085
*FAMS, LUFT, DONKIN OR SIMILAR APPROVED						
GROUND FLOOR ABULTIONS - EXTRACT AIR FAN & DOOR GRILLE SCHEDULE						
UNIT REF.	No.	DESCRIPTION	AIR QTY. (l/s each)	PRESSURE (Pa)	FAN SPEED (RPM)	POWER REQUIREMENTS (V / Ph / Hz) ABSORBED (kW)
EAF-G-01	3	*Gx9 EXTRACT AIR FAN - SET ON LOW	151.00	---	---	230 / 1 / 50 0.085
EAF-G-02	2	*Gx9 EXTRACT AIR FAN - SET ON HIGH	171.00	---	---	230 / 1 / 50 0.085
DG-01	1	*DOOR GRILLE - 300X300 NECK SIZE	---	---	---	---
DG-02	1	*DOOR GRILLE - 500X500 NECK SIZE	---	---	---	---
*TRANS XPELAR OR SIMILAR APPROVED - DOOR GRILLES TROX OR SIMILAR APPROVED						

ALL DIMENSIONS AND HEIGHTS ARE TO BE CHECKED ON SITE BEFORE WORK BEGINS. ALL WORK AND MATERIAL ARE TO COMPLY TO RELEVANT SABS CODES WHERE APPLICABLE.

BRAND NAMES INDICATE SABS APPROVED EQUIPMENT.

ALL WORK TO BE IN ACCORDANCE TO SABS.

REPORT DISCREPANCIES TO ARCHITECT OR ENGINEER.

- GENERAL NOTES:
- ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN.
 - ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY-LAWS.
 - HVAC SUB-CONTRACTOR IS RESPONSIBLE TO ENSURE ALL CO-ORDINATION WITH OTHER TRADES PRIOR TO PROCEEDING WITH INSTALLATION.
 - ALL DIMENSIONS TO BE ADHERED TO ALL STANDARDS AS PER TENDER SPECIFICATIONS.

HVAC NOTES:

1. ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN.
2. ALL DIMENSIONS TO BE IN ACCORDANCE WITH THE SAME.
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- LEGEND:
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- ABBREVIATIONS:
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- LINE TYPE LEGEND:
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- REV/NO DATE DESCRIPTION
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|---|------------|------------------------------|
| A | 22.11.2021 | ISSUED FOR CLIENT'S APPROVAL |
| B | 11.02.2022 | ISSUED FOR TENDER |

- CLIENT LOGO
- UNISA
- UNIVERSITY OF SOUTH AFRICA
- LEARNERS CAMPUS
- 28 FLORIDA PARK
- ROODEPOORT

- PROJECT DETAILS
- UNIVERSITY OF SOUTH AFRICA
- FLORIDA CAMPUS
- TSWELOPELE BUILDING (BLOCK 'E')
- HEATING, VENTILATION & AIR CONDITIONING

- CONTRACT No.
- TCE 1167
- DISCIPLINE
- MECHANICAL

- DRAWING DESCRIPTION
- GROUND FLOOR HVAC LAYOUT

- DESIGNED BY
- DRAWN BY
- CHECKED BY

- DRAWING UNITS
- mm
- SCALE
- 1:100

- DATE
- 11.02.2022
- NAME
- VINAY RAMSUNDARA
- SIGNATURE
- 2018030310

- UNIT 3, GARDENS BUSINESS PARK
- RANDPARK RIDGE, 2156
- WILLSVILLE, 2156
- Telephone: 011 475 4680
- Facsimile: 011 475 9140
- ENGINEER: VINAY T.D
- FOR TENDER