

-02 1	1	-3-02 2	-3-01 3	OFF	No.		, LUFT, DONK	3.02 1	-3.01 1
*DOOR GRILLE - 500x500 NECK SIZE	*DOOR GRILLE - 300x300 NECK SIZE	*GX9 EXTRACT AIR FAN - SET ON HIGH	*GX9 EXTRACT AIR FAN - SET ON LOW	מהמל כביד בכי		THIRD FLOOR EXTRACT AIR FAN SCHEDULE	, LUFT, DONKIN OR SIMILAR APPROVED	*VKPF FD 500 x 300.4	*VKPF FD 500 x 300.4
		171.00	151.00	each)	AIR QTY. (I/s	TRACT AIR F		412.00	600.00
				(Pa)	PRESSURE	N SCHEDULE		80	125
				(RPM)	FAN SPEED			800	932
-		230 / 1 / 50	230 / 1 / 50	(V / Ph / Hz)	POWER REQUIREMENTS			230 / 1 / 50	230 / 1 / 50
		0.085	0.085	ABSORBED (kW)	UIREMENTS			0.085	0.085

		THIRD FLOOR INTERNAL TERMINAL UNIT SCHE	JAL TERMINA	L UNIT SCHEE	DULE			
UNIT	Z o		COOLING	HEATING	AIR QTY.	SSAM	POWER RE	POWER REQUIREMENTS
REF	OFF	DESCRIPTION	(kW)	(kW)	(I/s Each)	(kg)	(V / Ph / Hz)	FLA (Amps)
IU 01	20	*4 WAY BLOW CASSETTE UNIT	2.20	2.50	125.00	12.60	230 / 1 / 50	0.200
IU 02	ω	*4 WAY BLOW CASSETTE UNIT	2.80	3.20	133.30	13.70	230 / 1 / 50	0.200
IU 03	5	*4 WAY BLOW CASSETTE UNIT	3.60	4.00	145.00	13.70	230 / 1 / 50	0.200
IU 04	0	*4 WAY BLOW CASSETTE UNIT	4.50	5.00	183.30	15.00	230 / 1 / 50	0.200
IU 05	1	*4 WAY BLOW CASSETTE UNIT	5.60	6.30	187.00	15.00	230 / 1 / 50	0.200
IU 06	0	*4 WAY BLOW CASSETTE UNIT	7.10	8.00	383.30	27.00	230 / 1 / 50	0.200
IU 07	_	*CEILING CONCEALED DUCTED UNIT	22.40	25.20	1000.00	87.00	380/3/50	5.200
80 NI	0	*CEILING CONCEALED DUCTED UNIT	28.10	31.50	1200.00	87.00	380 / 3 / 50	5.200
*LG ELECT	RONIC	*LG ELECTRONICS, DAIKIN, MITSUBISHI OR EQUAL AND APPROVED						
		THIRD FLOOR FRESH AIR SUPPLY FAN SCHED	H AIR SUPPLY	FAN SCHEDI	ULE			
INIT REF		DESCRIPTION	AIR QTY. (I/s	PRESSURE	FAN SPEED	ED	POWER REQUIREMENTS	JIREMENTS
	OFF		each)	(Pa)	(RPM)		(V / Ph / Hz)	ABSORBED (kW)
FAF-3.01	_	FAF-3.01 1 *VKPF FD 500 x 300.4	600.00	125	932		230 / 1 / 50	0.085

FOR TENDER

 \geq TCE-1167-M-TD-AC-005 www.thembake 011 475 4560 011 475 9140 \Box

THIRD FLOOR HVAC LAYOUT RESPONSIBLE PROFESSIONAL NAME SIGNATURE UNIT 6, GARDENS BUSINESS PARK ATELJEE STREET RANDPARK RIDGE, 2156 PR NUMBER 2018300310

PROJECT DETAILS

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

MECHANICAL

TCE 1167

UNISA university of south africa

#

TENDER

AR LOUVRE

ASURE ON SITE

INOT TO SCALE

INOT TO SCALE

TRANSFORMATION OF DUCT

WMS WIRE MESH SCREEN

C/W COMPLETE WITH

LINE TYPE LEGEND:

HVAC BUILDERSWORK:

12. ALL OPENINGS TO BE 100mm BIGGER THAN DUCT SIZES SHOWN (BUILDE).

13. ALL OPENINGS TO BE 50mm BIGGER THAN GRILLE SIZES SHOWN WHICH

13. ALL OPENINGS TO BE 50mm BIGGER THAN GRILLE SIZES SHOWN WHICH

10. INCLUDES A 25mm THK. TIMBER FRAME ALL AROUND OPENING - BY

BUILDER.

14. SLEEVES IN WALLS, SLABS & BEAMS (SIZE SHOWN ON DRAWING) (BUILD)

TO MAKE GOOD AFTER DUCTS ARE INSTALLED).

CONJUNCTION WITH THE SAME.

2. ALL DUCTWORK TO BE MANUFACTURED IN ACCORDANCE WITH ABS-1238-1979 LOW VELOCITY DUCT STANDARDS.

3. ALL DUCT SIZES SHOWN ARE ACTUAL SHEETMETAL SIZES.

3. ALL DUCTS SIZES SHOWN ARE ACTUAL SHEETMETAL SIZES.

4. SUPPLY DUCTS TO BE EXTERNALLY INSULATED WITH 25mm FRK.

INSULATION - UNLESS OTHERWISE SPECIFIED.

5. ALL OTHER DUCTS TO BE UNINSULATED, UNLESS SPECIFIED.

6. ALL EXPOSED DUCTS TO BE PAINTED TO SPECIFICATION.

7. ALL DUCTS WITH SEMI-PERIMETER OF 1150mm OR LESS TO BE "S & DRIVE"

JOINTS, AND DUCTS ABOVE TO BE MEZZ FLANGED.

8. ALL BENDS TO HAVE INTERNAL RADIUS OF 150mm AND SPLITTERS UNLESS OTHERWISE SPECIFIED.

9. ALL ROUND DUCT BENDS UP TO Ø500mm TO HAVE A RADIUS OF 200mm
OVER Ø500mm TO HAVE A RADIUS OF 300mm.

10. DUCT SHOES TO BE 150mm LONG @ 45°.

11. SPIGOTS TO BE 100mm LONG, UNLESS OTHERWISE STATED. ENERAL NOTES:

ALL DIMENSIONS TO BE CHECKED ON SITE BEFORE ANY WORK IS PUT IN HAND.

ALL WORK TO COMPLY TO LOCAL MUNICIPAL BY-LAWS.

ALL WORK TO COMPLY TO LOCAL BY-LAWS.

ALL WORK TO COMPLY TO LOCAL BEFORE ALL CO-ORDINATION.

BE ADHERED TO ALL STANDARDS AS PER TENDER SPECIFICATIONS