



PLAN: THERAPY ROOM HVAC
SCALE 1:75

Mechanical Equipment Schedule										
Mark	Description	Cooling Capacity (Kw)	Heating Capacity (Kw)	Fan Speed (RPM)	Sound (dBA)@3m	Flow (L/s)	Pressure (Pa)	Voltage (V)	Input Current(A)	Count
WMEF 1	Extract Air Flow Fan Ø150mm			1400	47	380.0	50	230	0.49	3
HWSU 1	High Wall Split Unit	3,5	4		40-52	569		380	11	3

LEGEND:

	EAG - EXTRACT AIR GRILLE
	WL - WEATHER LOUVRE
	DG - DOOR GRILLE
	U/C - UNDER CUT @7.5mm
	SDA - SOUND ATTENUATOR
	EAF 2 - WALL MOUNTED EXTRACT AIR FAN
	EAF 1 - EXTRACT AIR FAN
	1&3 PHASE ISOLATOR

FOR TENDER

REV	DATE	DESCRIPTION	ISSUED BY	APPR. BY	SIGNATURE
A	22-06-21	ISSUED FOR INFORMATION	RR	RR	
B	01-07-21	ISSUED FOR TENDER	RR	RR	
C	27-07-21	MECHANICAL UPDATES	RR	RR	

- NOTES:
- THIS DRAWING MUST ONLY BE USED FOR THIS MECHANICAL PROJECT, FOR ANY OTHER DETAIL AND BUILDING LAYOUT SEE ARCHITECTS DRAWING.
 - ALL DIMENSIONS MUST BE TAKEN ON SITE.
 - THE EXACT POSITION OF EQUIPMENT WILL BE INDICATED ON SITE BY THE MECHANICAL ENGINEER
 - DOORS UNDERCUT TO HAVE 25MM UNDERCUT.
 - ALLOW 50MM WOODEN SLEEVES ALL ROUND ,UNLESS SPECIFIED OTHERWISE.
 - ALL FANS SHALL BE INTERCONNECTED WITH FIRE DETECTION SYSTEM AND SHALL SHUT-OFF IN THE EVENT OF FIRE.
 - CONTRACTOR TO REPORT UNFORSEEN CLASHES TO THE MECHANICAL ENGINEER.
 - THIS DRAWING IS MERELY A GUIDE AND NO DIMENSIONS SHOULD BE TAKEN DIRECTLY FROM IT. ALL DIMENSIONS TO BE VERIFIED ON SITE.
 - ALL WORK TO BE DONE IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT (ACT 107 OF 1977)
 - DUCTING INSTALLATION IN ACCORDANCE TO SANS 1238
 - ALL WEATHER LOUVRE OPENINGS COMPLETE WITH 50MM ALL ROUND TIMBER SLEEVE.
 - ALL DOOR GRILLES TO BE 305MM ABOVE FFL.
 - UNDERSIDE OF ALL TRANSFER GRILLES TO BE 2195MM ABOVE FFL, INCLUDING SLEEVE,UNLESS SPECIFIED OTHERWISE
 - HARD-WIRED CONTROLS TO ALL AC UNITS.
 - DEDICATED SWITCH FOR EXTRACT FANS AS SPECIFIED BY ELECTRICAL ENGINEER.
 - NO GRATING, ANGLE SECTIONS, ETC MAY BE CUT, DRILLED OR WELDED AFTER GALVANIZING
 - THE GULLEYS ARE TO BE LINED WITH A SMOOTH EPOXY SUITABLE FOR SERVICE BETWEEN 0° & 90° AND RESISTANT TO IMPACT AND DETERGENTS
 - FANS TO BE SWITCHED ON FROM WALL MOUNTED SWITCHES NEXT TO THE LIGHT SWITCHES COORDINATED BY ARCHITECTS AND ELECTRICAL ENGINEER.

CLIENT:

public works & infrastructure
Department of Public Works & Infrastructure
FREE STATE PROVINCE

CONSULTANT:

GladAfrica
Consulting Engineers

Gauteng Office (Head Office)
GladAfrica House, Hertford Office Park
90 Bekker Road, Vorna Valley, Midrand, 1686
P.O. Box 6723 Halfway House 1685
Tel: +27 11 312 2537/2584
Fax +27 11 805 1950
www.gladfrica.com

	NAME	REG. NO.	SIGNATURE	DATE
DRAWN	N.H.	N/A		
DESIGNED	R.R	20140432		
APPROVED	R.R	20140432		

PROJECT DESCRIPTION
TROMPSBURG SPECIAL SCHOOL
HOSTEL SECTION

DRAWING TITLE
THERAPY ROOM HVAC LAYOUT

STATUS LEGEND	SHEET SIZE		
I = INFORMATION	A1		
CV = CONCEPT AND VIABILITY			
D = DESIGN DEVELOPMENT			
T = TENDER	SCALE		
C = CONSTRUCTION	AS SHOWN		
AB = AS BUILT			
DISCIPLINE	DRAWING NUMBER	STATUS	REVISION
MECHANICAL	92-ME-AC-025	I	C