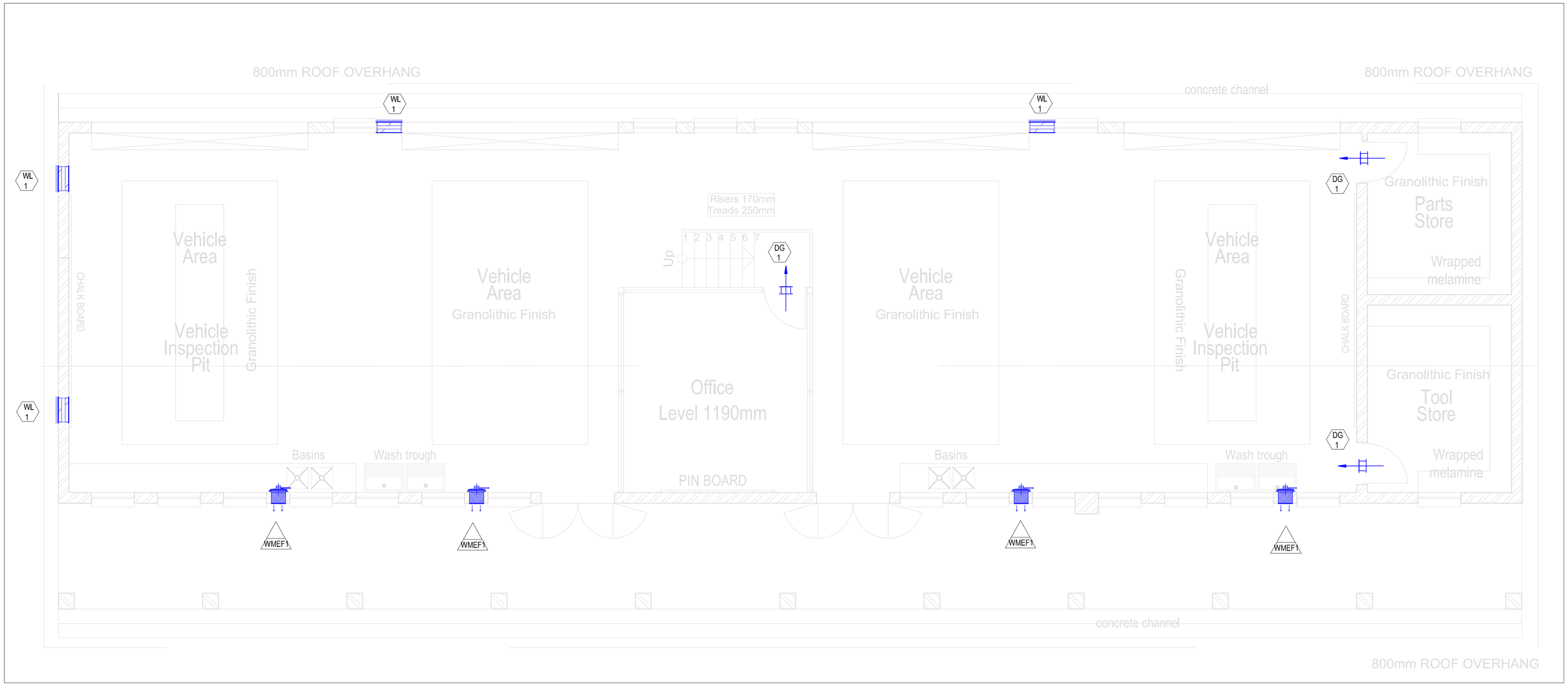
NOTE: ALL HVAC UNITS TO SWITCH OFF IN THE EVENT OF FIRE.
SINGLE PHASE FANS TO BE INTERCONNECTED TO LIGHTING WHICH SHALL BE CONTROLLED BY MOTION SENSOR.
FANS SHALL HAVE STOP/START BUTTON.
ALLOW OVERLOAD PROTECTION ON ALL FANS

LEGEND:		
	WMEF	**WALL MOUNTED EXTRACT FAN**
	DG	**DOOR GRILLE**
	WL	**WEATHER LOUVRE**



FLOOR PLAN: MOTOR MECHANICS
SCALE 1:50

Air Terminal Schedule				
Mark	Description	Flow(L/S)	Size(WxHXD)	Count
DG 1	Door Grille c/w Vermin Proof Mesh	207.0	425x325	3
WL 1	Weather Louvre Vermin Proof Mesh	450.0	500x600	4

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	Wall Mounted Extract Fan			1400	47	380.0	50.0 Pa	230	0.49	4

FOR TENDER

REV.	DATE	DESCRIPTION	ISSUED BY	APPR. BY	SIGNATURE
A	15-08-19	ISSUED FOR TENDER ONLY	JM	KH	
B	20-08-19	UPDATED LAYOUTS ISSUED FOR TENDER ONLY	JM	KH	
C	17-07-20	UPDATED MECHANICAL LAYOUT UPDATED ARCHITECTURAL LAYOUT	RR	RR	
D	01-07-21	ISSUED FOR TENDER	RR	RR	

NOTES:

1. THIS DRAWING MUST ONLY BE USED FOR THIS MECHANICAL PROJECT, FOR ANY OTHER DETAIL AND BUILDING LAYOUT SEE ARCHITECTS DRAWING.

2. ALL DIMENSIONS MUST BE TAKEN ON SITE.

3. THE EXACT POSITION OF EQUIPMENT WILL BE INDICATED ON SITE BY THE MECHANICAL ENGINEER

4. DOORS UNDERCUT TO HAVE 25MM UNDERCUT.

5. ALLOW 50MM WOODEN SLEEVES ALL ROUND ,UNLESS SPECIFIED OTHERWISE.

6. ALL FANS SHALL BE INTERCONNECTED WITH FIRE DETECTION SYSTEM AND SHALL SHUT-OFF IN THE EVENT OF FIRE.

7. CONTRACTOR TO REPORT UNFORSEEN CLASHES TO THE MECHANICAL ENGINEER.

8. THIS DRAWING IS MERELY A GUIDE AND NO DIMENSIONS SHOULD BE TAKEN DIRECTLY FROM IT. ALL DIMENSIONS TO BE VERIFIED ON SITE.

9. ALL WORK TO BE DONE IN ACCORDANCE WITH NATIONAL BUILDING REGULATIONS AND BUILDING STANDARDS ACT (ACT 107 OF 1977)

10. DUCTING INSTALLATION IN ACCORDANCE TO SANS 1238

11. ALL WEATHER LOUVRE OPENINGS COMPLETE WITH 50MM ALL ROUND TIMBER SLEEVE.

12. ALL DOOR GRILLES TO BE 305MM ABOVE FFL.

13. UNDERSIDE OF ALL TRANSFER GRILLES TO BE 2195MM ABOVE FFL, INCLUDING SLEEVE,UNLESS SPECIFIED OTHERWISE

10. HARD-WIRED CONTROLS TO ALL AC UNITS.

11. DEDICATED SWITCH FOR EXTRACT FANS AS SPECIFIED BY ELECTRICAL ENGINEER.

12. NO GRATING, ANGLE SECTIONS, ETC MAY BE CUT, DRILLED OR WELDED
AFTER GALVANIZING

13. THE GULLEYS ARE TO BE LINED WITH A SMOOTH EPOXY SUITABLE FOR SERVICE BETWEEN 0° & 90° AND RESISTANT TO IMPACT AND DETERGENTS

14. 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:

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	NAME	REG. NO.	SIGNATURE	DATE
DRAWN	C.T.P.K			
DESIGNED	R.R	20140432		
APPROVED	R.R	20140432		

PROJECT DESCRIPTION
TROMPSBURG SPECIAL SCHOOL : **SCHOOL SECTION**

DRAWING TITLE
MOTOR MECHANICS HVAC LAYOUT

STATUS LEGEND
I = INFORMATION
CV = CONCEPT AND VIABILITY
D = DESIGN DEVELOPMENT
T = TENDER
C = CONSTRUCTION
AB = AS BUILT

SHEET SIZE
A1

SCALE
AS SPECIFIED

DISCIPLINE	DRAWING NUMBER	STATUS	REVISION
MECHANICAL	92-ME-AC-008	T	D