

IN-LINE TYPE FAN INSTALLATION DETAIL
(ROOF MOUNTED)

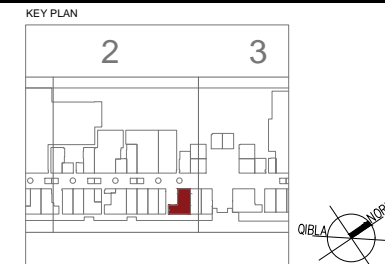
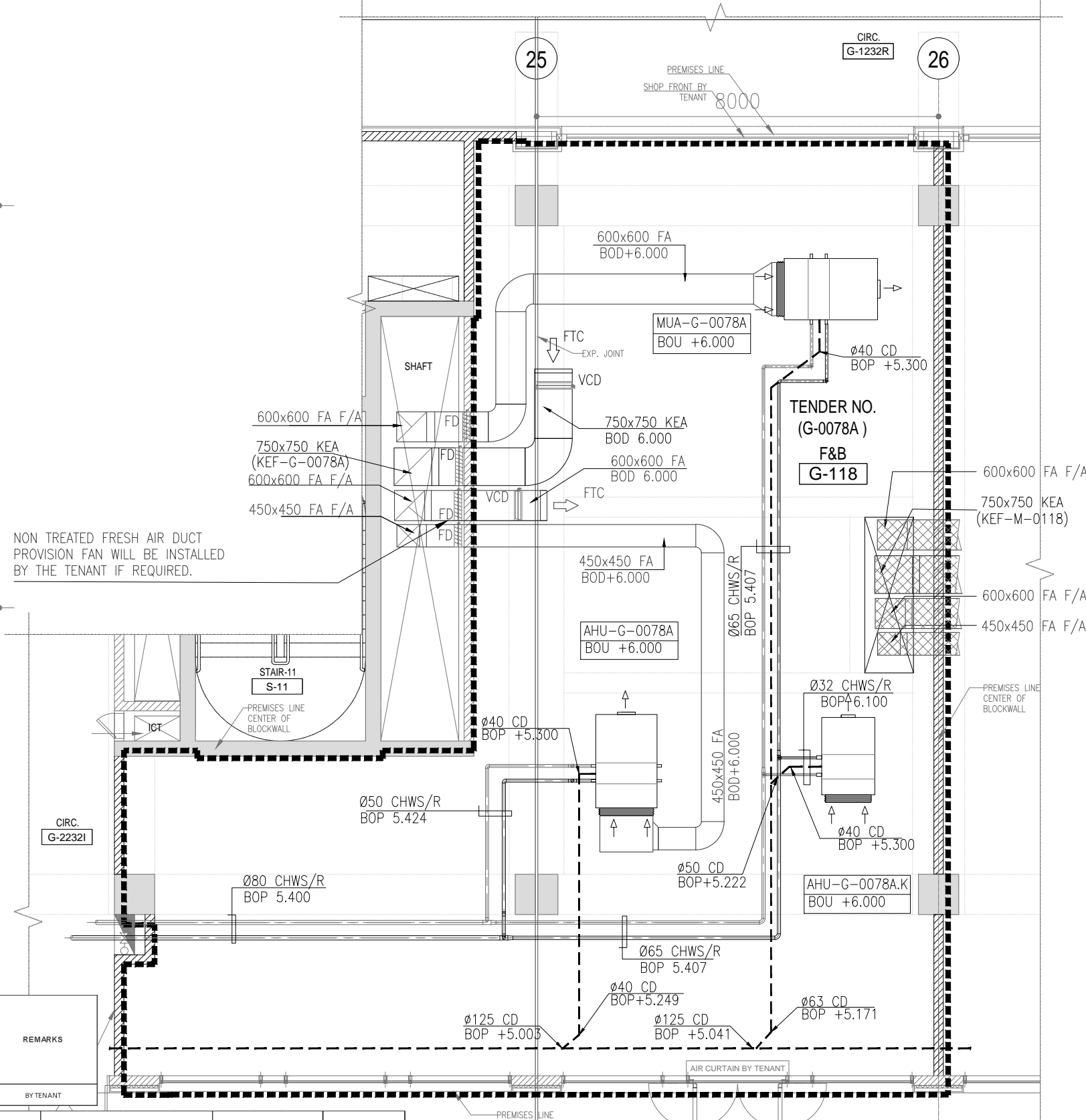
NOTE : THERMOSTAT LOCATION BY TENANT

- * STARTER PANEL WILL BE LOCATED AT HIGH LEVEL
- * 15M THERMOSTAT CABLE LENGTH WILL BE PROVIDED AS PER CONTRACT.
- * EXHAUST FAN WILL BE LOCATED AT ROOF BETWEEN AXIS P-Q & 23-24
- * KITCHEN EXHAUST DUCT IS SIZED TO MAXIMUM EXPECTED HOOD EXHAUST. THE VALUE SHOWN IN SCHEDULE IS BASED ON KITCHEN EXHAUST FLOW RATE EQUAL TO 35ACH BASED ON ASHRAE RECOMMENDATION.
- * MAXIMUM RECOMMENDED VELOCITY FOR KITCHEN EXHAUST DUCT IS 1450 FPM
- * MAXIMUM RECOMMENDED VELOCITY FOR FRESH AIR DUCT IS 1400 FPM
- * COWL EXTENSION/CHIMNEY SHALL NOT EXCEED THE ARCHITECTURAL PARAPET HEIGHT

Equipment Tag Number.	Qty	Area Served			2 Stage Kitchen Exhaust Unit					Electrical Data			REMARKS
		Floor	Room ID	Space	Exhaust Rate (l/s)	ESP (Pa)	Speed	rpm	Fan Motor Power (kW)	Volt	Phase	Hz	
KEF-G-0078A	1	GROUND FLOOR	G-00078A	F&B KITCHEN	3763	300	Constant	1450	3.00	415	3	50	BY TENANT

Equipment Tag Number.	Qty	Area Served			Supply Air Fan								Cooling Coil				Electrical Data			REMARKS
		Floor	Space	MEW ACTIVITY	FA (l/s)	ESP (Pa)	Fan Motor Power Unit (kW)	Speed Control	On Coil		Off Coil		TC (kW)	SC (kW)	CHW Flow (l/s)	Pipe Connection (mm)	Volt	Phase	Hz	
									DB (°C)	WB (°C)	DB (°C)	WB (°C)								
MUA-G-0078A	1	GROUND FLOOR	F&B KITCHEN	KITCHENS	3010	200	4.000	Constant	47.4	31.8	26.7	25.3	108.36	74.65	2.876	65	415	3	50	

Equipment Tag Number.	Qty	Area Served			Supply Air Fan							Cooling Coil							Electrical Data			REMARKS		
		Floor	Space	MEW ACTIVITY	FA / UNIT (l/s)	EA / UNIT (l/s)	HRU	SA/Unit (l/s)	RA/Unit (l/s)	ESP (Pa)	Fan Motor Power/Unit (kW)	Speed Control	On Coil		Off Coil		TC (kW)	SC (kW)	CHW Flow (l/s)	Pipe Connection (mm)	Volt		Phase	Hz
													DB (°C)	WB (°C)	DB (°C)	WB (°C)								
AHU-G-0078A	1	GROUND FLOOR	F&B DINNING	RESTURANT DINING	523	0		1839	1316	250	2.200	constant	33.1	24.4	13.1	12.5	81.5	44.2	2.163	50	415	3	50	PACKAGE AHU
AHU-G-0078A.K	1	GROUND FLOOR	F&B KITCHEN SUPPLY	KITCHENS	0	0		772	772	250	1.100	constant	26.5	19.2	13.1	12.4	17.6	12.5	0.467	32	415	3	50	PACKAGE AHU REFER KEF SCH FOR EA l/s.



- NOTES
1. DRAWINGS DIMENSIONS ARE TO BE READ NOT TO BE SCALED.
 2. ARCHITECTURAL DRAWING MUST BE READ IN CONJUNCTION WITH ALL OTHER SERVICE DRAWINGS AND CONTRACT DOCUMENTS AND IN CASE OF ANY DISCREPANCIES ARISE BETWEEN THESE DRAWINGS AND ANY OF THE DOCUMENTS THEY SHOULD BE IMMEDIATELY REPORTED TO THE ENGINEER BEFORE THE COMMENCEMENT OF ANY WORK ON SITE.
 3. ALL THE LEVELS AND DIMENSIONS MUST BE CHECKED AND VERIFIED BY THE MAIN CONTRACTOR BEFORE THE COMMENCEMENT OF ANY ITEM OF WORK ON THE SITE OR THE PREPARATION OF THE SHOP DRAWINGS.
 4. THE INVESTOR'S EXTERNAL FACING SHOPFRONT SIGNAGE (IF ANY) MUST STRICTLY COMPLY WITH THE OWNER'S REQUIREMENTS AND DIRECTIONS.
 5. NO CHANGES AND/OR PENETRATIONS OF ANY DESCRIPTION WILL BE PERMITTED TO THE OWNER- PROVIDED EXTERNAL GLASS SHOP FRONTS.
 6. SUPPLY, STORAGE AND PROTECTION OF EXPANSION JOINT COVERS AND RELATED ACCESSORIES INSIDE ALL INVESTOR SPACES IS BY THE OWNER. INSTALLATION OF THE SAME WILL BE BY THE INVESTOR. SUPPLY AND INSTALLATION OF THE VAPOR BARRIER, FIRE BARRIER & INSULATION DRAPE ASSEMBLY WILL BE BY THE OWNER.
 7. THIS DRAWING IS INDICATIVE ONLY (NOT TO BE USED FOR CONSTRUCTION) AND IS ACCURATE AS AT THE DATE SHOWN ON THE DRAWING.
 8. THIS DRAWING IS SUBJECT TO CHANGE AS PLANNING, DEVELOPMENT AND CONSTRUCTION CONTINUES THROUGH UNTIL OPENING OF THE CENTRE.
 9. IT IS THE RESPONSIBILITY OF THE RECIPIENT OF THIS DRAWING TO UPDATE THEMSELVES WITH ANY SUBSEQUENT REVIEWS, UPDATES, ADDITIONS, DELETIONS AND /OR SUBSTITUTIONS.
 10. IT IS THE RESPONSIBILITY OF THE INVESTOR TO UNDERTAKE AN ON-SITE MEASURE TO VERIFY ALL DIMENSIONS SHOWN ON THIS DRAWING.
 11. TAMDEEN REAL ESTATE CO. DOES NOT ACCEPT ANY LIABILITY OF ANY FORM FOR THE RECIPIENT'S USE AND/OR INTERPRETATION OF THIS DRAWING
 12. THE ANCHOR BOLT SIZE USED FOR ANY FLOORING SUPPORTING SYSTEM SHOULD NOT EXCEED MORE THAN 8mm DEPTH TO AVOID ANY DAMAGE THAT MAY CAUSED IN THE IMBEDDED PVC CONDUIT.

FOR REVIEW

OWNER
تamdین
TAMDEEN
GROUP

PROJECT TITLE
Al Khiran Outlet Mall

CONSULTANTS
cracknell SSH

DESIGN ARCHITECT
CALLISONRTKL
A DESIGN CONSULTANCY OF ARCADIS

ENGINEER OF RECORD
OH
OHA ENGINEERING CONSULTANT
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DRAWING TITLE:
**GROUND FLOOR
RESTAURANT - HVAC PLAN**

UNIT NO.	G-118	
USAGE.	RESTAURANT	
TRADE	SCALE	DATE
HVAC	1:50 @ A1	JAN 2021
DRAWN BY	CHECKED BY	APPROVED BY
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DRAWING No.	OF	REV.
AC-01	04 OF 09	01