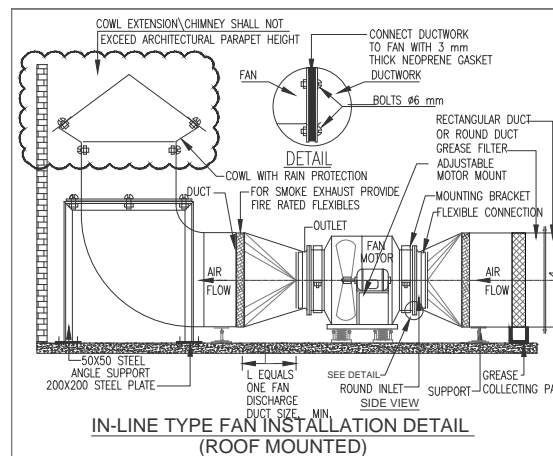


NOTE : AS PER DESIGN RETAIL UNIT WITH F & B PROVISIONS



NOTE : THERMOSTAT LOCATION BY TENANT

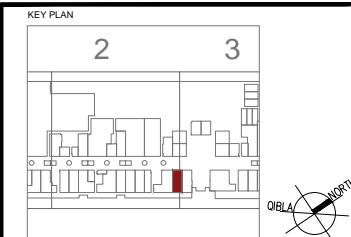
- \* STARTER PANEL WILL BE LOCATED AT HIGH LEVEL
- \* 15M THERMOSTAT CABLE LENGTH WILL BE PROVIDED AS PER CONTRACT.
- \* EXHAUST FAN WILL BE LOCATED AT ROOF BETWEEN AXIS 26-27 & N-P
- \* KITCHEN EXHAUST DUCT IS SIZED TO MAXIMUM EXPECTED HOOD EXHAUST. THE VALUE SHOWN IN SCHEDULE IS BASED ON KITCHEN EXHAUST 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-079A            | 1   | GROUND      | G-0079A | F&B KITCHEN | 2580                         | 300      | Constant | 1450 | 2.20                 | 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) | Min Pipe Connection (mm) | Volt            | Phase | Hz   |         |
|                       |     |              |             |              |                |          |                           |               | DB (°C) | WB (°C) | DB (°C)  | WB (°C) |              |         |                |                          |                 |       |      |         |
| MUA-G-0079A           | 1   | GROUND FLOOR | F&B KITCHEN | KITCHENS     | 2064           | 200.0    | 3.00                      | constant      | 47.4    | 31.8    | 26.7     | 25.3    | 74.3         | 51.19   | 1.972          | 50.0                     | 415             | 3.0   | 50.0 |         |

| Equipment Tag Number. | Area Served |              |                      |              | Supply Air Fan |                |     |               |               |          |                           |               | Cooling Coil |         |          |         |         |         |                | Electrical Data          |      |       | REMARKS |             |
|-----------------------|-------------|--------------|----------------------|--------------|----------------|----------------|-----|---------------|---------------|----------|---------------------------|---------------|--------------|---------|----------|---------|---------|---------|----------------|--------------------------|------|-------|---------|-------------|
|                       | Qty         | Floor        | Space                | MEW ACTIVITY | FA (l/s) Total | EA (l/s) Total | 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) | Min Pipe Connection (mm) | Volt | Phase |         | Hz          |
|                       |             |              |                      |              |                |                |     |               |               |          |                           |               | DB (°C)      | WB (°C) | DB (°C)  | WB (°C) |         |         |                |                          |      |       |         |             |
| AHU-G-0079A.K         | 1           | GROUND FLOOR | F & B KITCHEN SUPPLY | KITCHEN      | 0              | 0              |     | 530           | 530           | 250.0    | 1.10                      | constant      | 26.5         | 19.2    | 13.1     | 12.4    | 12.0    | 8.6     | 0.320          | 25.0                     | 415  | 3.0   | 50.0    | PACKAGE AHU |

| Equipment Tag Number. | Area Served |              |              |                   | Supply Air Fan |                |     |               |               |          |                           |               | Cooling Coil |         |          |         |         |         |                | Electrical Data          |      |       | REMARKS |             |
|-----------------------|-------------|--------------|--------------|-------------------|----------------|----------------|-----|---------------|---------------|----------|---------------------------|---------------|--------------|---------|----------|---------|---------|---------|----------------|--------------------------|------|-------|---------|-------------|
|                       | Qty         | Floor        | Space        | MEW ACTIVITY      | FA (l/s) Total | EA (l/s) Total | 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) | Min Pipe Connection (mm) | Volt | Phase |         | Hz          |
|                       |             |              |              |                   |                |                |     |               |               |          |                           |               | DB (°C)      | WB (°C) | DB (°C)  | WB (°C) |         |         |                |                          |      |       |         |             |
|                       |             |              |              |                   |                |                |     |               |               |          |                           |               |              |         |          |         |         |         |                |                          |      |       |         |             |
| AHU-G-0079A           | 1           | GROUND FLOOR | F & B DINING | RESTAURANT DINING | 357            | 0              |     | 1261          | 904           | 250.0    | 2.20                      | constant      | 33.1         | 24.4    | 13.1     | 12.5    | 55.9    | 30.3    | 1.483          | 50.0                     | 415  | 3.0   | 50.0    | PACKAGE AHU |



- 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

تمدين  
TAMDEEN  
GROUP

PROJECT TITLE

Al Khiran Outlet Mall

CONSULTANTS

cracknell SSH

DESIGN ARCHITECT

CALLISORTKL  
A DESIGN CONSULTANCY OF ARCADIS

ENGINEER OF RECORD

OHHA ENGINEERING CONSULTANT  
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MANAGED BY

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DRAWING TITLE:

GROUND FLOOR  
RETAIL - HVAC PLAN

UNIT NO. G-117

USAGE. RETAIL

| TRADE       | SCALE      | DATE        |
|-------------|------------|-------------|
| HVAC        | 1:50 @ A1  | NOV 2020    |
| DRAWN BY    | CHECKED BY | APPROVED BY |
| - -         | - -        | - -         |
| DRAWING No. | OF         | REV.        |
| AC-01       | 04 OF 09   | 00          |