# PACIFIC COMMUNITY PROPOSED EXTENSION TO EXISTING BUILDING-CYRO LAB FNTC ROAD 2, NASINU.

# **MECHANICAL SERVICES**

| SHEET NO. | SHEET TITLE                                      | REVISION NUMBER | DATE       | STATUS / COMMENTS |
|-----------|--|-----------------|------------|-------------------|
| M1        | DRAWING INDEX                                    | Т3              | 2023.04.17 | REVISED TENDER    |
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| M300      | PROPOSED MECHANICAL DETAILS                      | T1              | 2023.01.18 | TENDER ISSUE      |

| SHEET NUMBER:    | M1             |
|------------------|----------------|
| ISSUED FOR:      | REVISED TENDER |
| ISSUED DATE:     | 2023/04/17     |
| QA CHECKED DATE: | 2023/04/17     |
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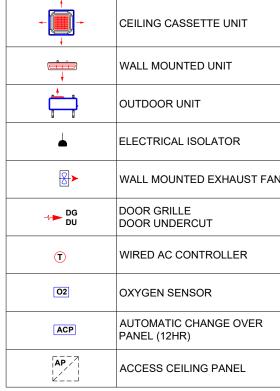
Building Services Engineers | 22 Marion St, Flagstaff. GPO Box 11622, Suva, Fiji Islands p: +679 330 7060 | f: +679 330 3744 | m: +679 999 0656 e: info@edisonconsultants.com

# **GENERAL NOTES**

- 1. ALL MECHANICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH GENERAL NOTES, SPECIFICATIONS, MISCELLANEOUS DETAILS AND ARCHITECTURAL, STRUCTURAL AND ELECTRICAL FINAL DESIGN DRAWINGS.
- 2. UNLESS OTHERWISE SPECIFIED, ALL OUTDOOR LOUVERS AND OTHER DIMENSIONS ARE IN MILLIMETERS.
- 3. COORDINATE ALL PENETRATIONS, PARTICULARLY LARGER PENETRATIONS FOR OUTDOOR AIR LOUVERS AND ROOF VENTILATORS WITH BOTH ARCHITECTURAL DRAWINGS AND STRUCTURAL DRAWINGS AND ON SITE.
- OUTDOOR AIR LOUVER SHALL BE SELECTED BASED ON MANUFACTURER'S RECOMMENDATION.
- ALL VENTILATION EQUIPMENT SHALL BE SELECTED TO MEET THE REQUIRED CAPACITIES AND DATA INDICATED BELOW EQUIPMENT SCHEDULES.
- ALL WALL PENETRATIONS, ROOF PENETRATIONS, SEALING OF PENETRATIONS AND ROOF FLASHING SHALL BE DONE BY THE BUILDER . COST TO BE INCLUDED BY THE MECHANICAL CONTRACTOR.
- 7. FAN SYSTEM RESISTANCE AND ELECTRIC MOTOR RATING STATED IN THE SCHEDULES ARE DESIGN APPROXIMATIONS ONLY AND SHALL BE CHECKED AND REVISED BY THE MECHANICAL SERVICES CONTRACTOR PRIOR TO THE FINAL ORDERING OF EQUIPMENT WITH NO ADDITIONAL COST TO THE CONTRACT.
- 8. PROVIDE SLEEVES WHERE PIPES/DUCTS PENETRATE BEAMS, WALLS AND SLABS.
- WHERE SHOWN ON PLANS. ROOM THERMOSTATS SHALL BE MOUNTED ON THE WALL AT 1.5 METERS FROM FINISHED FLOOR OR TEMPERATURE SENSOR (DUCT-MOUNTED THERMOSTAT) SHALL BE LOCATED IN THE MAIN RETURN AIR DUCT AND TEMPERATURE SET POINT/CONTROLLER SHALL BE GROUPED TOGETHER IN ELECTRICAL ROOM UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- 10. CONDENSATE DRAIN LINES FROM UNITS TO TUNDISH SHALL BE BY MECHANICAL CONTRACTOR.TUNDISH TO DRAIN POINT SHALL BE BY HYDRAULICS CONTRACTOR.
- 11. EXTERNAL EQUIPMENT TO BE TROPICALIZED AND WEATHERPROOFED. CONTRACTOR SHALL COORDINATE WITH ARCHITECTS TO MAKE SURE THAT EQUIPMENTS AND DUCTWORKS ARE CONCEALED BEHIND PARAPET WALLS.
- 12. ROTATING EQUIPMENTS SHALL BE PROVIDED WITH VIBRATION ISOLATORS TO PREVENT VIBRATION TRANSMISSION AS SPECIFIED IN THE SPECIFICATIONS.\
- 13. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S RECOMMENDATIONS.
- 14. ALL SPLIT TYPE AIR-CONDITIONER'S REFRIGERANT PIPE SIZES SHALL BE IN ACCORDANCE WITH A/C MANUFACTURER'S RECOMMENDATION.
- 15. ALL CONDENSATE DRAIN PIPES SHALL BE INSULATED AS PER SPECIFICATIONS.
- 16. THE ELECTRICAL CONTRACTOR SHALL ONLY SUPPLY SUBMAINS TO THE DISTRIBUTION BOARDS FOR EQUIPMENT AND WIRING THERE AFTER SHALL BE IN THE MECHANICAL CONTRACTORS SCOPE. POWER FOR AIR CONDITIONING UNITS AND VENTILATION FANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- 17. ALL INTERLOCKING & CONTROL WIRING BY MECHANICAL CONTRACTOR

ENGINEER:

# **LEGEND OF SYMBOLS**



# **LINE TYPES**

| REF  | REFRIGERANT LINE |
|------|------------------|
| COND | CONDENSATE LINE  |
|      | CONTROL CABLING  |

# **ABBREVIATIONS**

| <u> </u>   |                                       | C/W | COMPLETE WIT   |
|------------|---------------------------------------|-----|----------------|
| -          | CEILING CASSETTE UNIT                 | D   | DEPTH          |
| +          |                                       | DG  | DOOR GRILLE    |
| <b>+</b>   | WALL MOUNTED UNIT                     | DU  | DOOR UNDERC    |
|            | OUTDOOR UNIT                          | EG  | EXHAUST GRILL  |
| 1          | ELECTRICAL ISOLATOR                   | IDU | INDOOR UNIT    |
|            | ELECTRICAL ISOLATOR                   | HF  | HEPA FILTER    |
| <b>⊗</b> ≻ | WALL MOUNTED EXHAUST FAN              | OAL | OUTDOOR AIR L  |
| DG         | DOOR GRILLE                           | ODU | OUTDOOR UNIT   |
| DU         | DOOR UNDERCUT                         | RV  | ROOF VENTILAT  |
| T          | WIRED AC CONTROLLER                   | DIA | DIAMETER       |
| O2         | OXYGEN SENSOR                         | DN  | DIAMETER NOM   |
| 02         | OXTGEN SENSOR                         | KGS | KILOGRAMS      |
| ACP        | AUTOMATIC CHANGE OVER<br>PANEL (12HR) | kW  | KILOWATT       |
|            |                                       | ΙD  | LINEAR SLOT DI |

| REF  | REFRIGERANT LINE |
|------|------------------|
| COND | CONDENSATE LINE  |
|      | CONTROL CABLING  |
|      |                  |

| ADDREV | IATIONS                  |
|--------|--------------------------|
| C/W    | COMPLETE WITH            |
| D      | DEPTH                    |
| DG     | DOOR GRILLE              |
| DU     | DOOR UNDERCUT            |
| EG     | EXHAUST GRILLE           |
| IDU    | INDOOR UNIT              |
| HF     | HEPA FILTER              |
| OAL    | OUTDOOR AIR LOUVER       |
| ODU    | OUTDOOR UNIT             |
| RV     | ROOF VENTILATOR          |
| DIA    | DIAMETER                 |
| DN     | DIAMETER NOMINAL         |
| KGS    | KILOGRAMS                |
| kW     | KILOWATT                 |
| LD     | LINEAR SLOT DIFFUSER     |
| mm     | MILLIMETRE               |
| MSB    | MAIN SWITCHBOARD         |
| No.    | NUMBER / NORMALLY OPEN   |
| PH     | PHASE                    |
| QTY    | QUANTITY                 |
| Т      | THERMOSTAT / THERMOMETER |
| TW     | TUNDISH WASTE            |
| TYP    | TYPICAL                  |
| V      | VOLT                     |
| VCD    | VOLUME CONTROL DAMPER    |
|        |                          |

WATT / WIDTH

M2

GENERAL NOTES, LEGEND OF SYMBOLS & ABBREVIATIONS

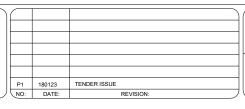
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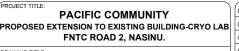
**TENDER ISSUE** 











GENERAL NOTES, LEGEND OF SYMBOLS

DESIGN: KB QA: KB/NP SCALE: N/A DATE: 180123

STATUS:

3885 AUTOCAD FILE NO: 3885-M2-T1

А3

T1

|                     |                          |            |                                      |  |                                       |                          |                          | SPLIT TYPE                 | DX SCHEDULE                            |                |                                  |                |             |                          |   |               |                      |
|---------------------|--------------------------|------------|--------------------------------------|--|---------------------------------------|--------------------------|--------------------------|----------------------------|--|----------------|----------------------------------|----------------|-------------|--------------------------|---|---------------|----------------------|
| UNIT NO.            | UNIT TYPE                | QUANTITY   | AREA<br>SERVED                       | REQUIRED<br>TOTAL COOLING<br>CAPACITY (kW) | AVAILABLE<br>COOLING<br>CAPACITY (kW) | SUPPLY AIR<br>FLOW (L/s) | OUTDOOR<br>AIR FLOW(L/s) | STATIC<br>PRESSURE<br>(Pa) | ELECTRICAL<br>DATA<br>kW / PH / V/ Hz) | SOUND<br>(dBA) | PHYSICAL DIMENSION<br>(mm) WxDxH | WEIGHT<br>(kg) | REFRIGERANT | REF PIPE SIZES           | MAKE                                    | MODEL         | REMARKS              |
| IDU-G.1/<br>IDU-G.2 | WALL MOUNTED<br>UNIT     | 2          | GROWTH                               | 4.50                                       | 6.00                                  | 310                      | -                        | -                          | 1.64 / 1 / 240 / 50                    | 48             | 990x263x295                      | 13             | - R32       | GAS:Ø12.7                | DAIKIN FOR ALL<br>CASSETTES<br>AND WALL | FTX60UVMA     | DUTY/                |
| ODU-G.1/<br>ODU-G.2 | OUTDOOR UNIT             | 2          | ROOM                                 | 4.30                                       | 0.00                                  | -                        | -                        | -                          | 1.04 / 1 / 240 / 30                    | 52             | 930x350x695                      | 54             | NJ2         | LIQUID:Ø6.4              | MOUNTED.<br>NOVAIR FOR<br>FCU           | RXV60UVMA     | STANDBY              |
| IDU-G.3/<br>IDU-G.4 | CEILING<br>CASSETTE      | 2          | LAB                                  | 4.60                                       | 6.00                                  | 383                      | -                        | -                          | - 1.3 / 1 / 240 / 50                   | 37             | 840x840x256                      | 22             | - R32       | GAS:Ø12.7                | DAIKIN FOR ALL<br>CASSETTES<br>AND WALL | FCA60CAVMA    | DUTY/                |
| ODU-G.3/<br>ODU-G.4 | OUTDOOR UNIT             | 2          | LAB                                  | 4.00                                       | 6.00                                  | -                        | -                        | -                          | - 1.3 / 1 / 240 / 50                   | 68             | 845x300x595                      | 45             | - K32       | LIQUID:Ø9.5              | MOUNTED.<br>NOVAIR FOR<br>FCU           | RZAV60CV1     | STANDBY              |
| IDU-G.5/<br>IDU-G.6 | CEILING<br>CASSETTE      | 2          | STORAGE                              | 3.70                                       | 5.00                                  | 383                      | -                        | -                          | 4.2./4./240./50                        | 37             | 840x840x256                      | 22             | D22         | GAS:Ø12.7<br>LIQUID:Ø6.4 | DAIKIN FOR ALL<br>CASSETTES<br>AND WALL | FCA50CAVMA    | DUTY/                |
| ODU-G.5/<br>ODU-G.5 | OUTDOOR UNIT             | 2          | STORAGE                              | 3.70                                       | 5.00                                  | -                        | -                        | -                          | - 1.3 / 1 / 240 / 50                   | 68             | 845x300x595                      | 45             | - R32       |                          | MOUNTED.<br>NOVAIR FOR<br>FCU           | FOR RZAV50CV1 | STANDBY              |
| IDU-G.7/<br>IDU-G.8 | CEILING<br>CASSETTE      | 2          | LIQUID<br>NITROGEN<br>STORAGE        | 0.70                                       | 5.00                                  | 383                      | -                        | -                          | 40/4/040/50                            | 37             | 840x840x256                      | 22             | Doo         | GAS:Ø12.7                | DAIKIN FOR ALL<br>CASSETTES<br>AND WALL | FCA50CAVMA    | DUTY/                |
| ODU-G.7/<br>ODU-G.8 | OUTDOOR UNIT             | 2          | LIQUID<br>NITROGEN<br>STORAGE        | 3.70                                       | 5.00                                  |                          |                          |                            | 1.3 / 1 / 240 / 50                     | 68             | 845x300x595                      | 45             | - R32       | LIQUID:Ø6.4              | MOUNTED.<br>NOVAIR FOR<br>FCU           | RZAV50CV1     | STANDBY              |
| IDU -G.9            | CONCEALED<br>DUCTED UNIT | 1          | LIQUID<br>NITROGEN<br>STORAGE        | }  | 24.60                                 | 610                      | 610                      | 250                        | 0.5 / 1 / 240 / 50                     | 76             | 1370x894x410                     | 162            | B440        | GAS:Ø52                  | DAIKIN FOR ALL<br>CASSETTES<br>AND WALL | <i>f</i>      | TO BE                |
| ODU -G.9            | OUTDOOR UNIT             | 1          | ,LAB,<br>STORAGE &<br>GROWTH<br>ROOM | 21.50                                      | 24.60                                 | -                        | -                        | -                          | - 15.7 / 3 / 415 / 50                  | 75             | 1850x1000x1300                   | 221            | - R410a     | LIQUID:Ø28               | MOUNTED.<br>NOVAIR FOR<br>FCU           | MHA/K 91      | KED WITH<br>SAF -G.1 |
| NOTES:              |                          | S SHALL RE | INSTALLED A                          | CCORDING TO MAI                            | NI IEACTI IDEDS E                     |                          |                          | AL SPECIFICATI             | ON                                     | ~~~            | ······                           |                | 2           |                          |   | ·····         | T2                   |

- AIR CONDITIONING UNITS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATION AND TECHNICAL SPECIFICATION.
- MECHANICAL CONTRACTOR SHALL PROVIDE CLIPSAL WEATHER -PROOF ISOLATORS FOR ALL OUTDOOR UNITS.
- POWER FOR ALL THE AIR CONDITIONING INDOOR UNITS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR.
- CONDENSER FINS SHALL BE COATED WITH ANTI CORROSION COATING.
- REFRIGERANT PIPEWORK TO BE INSULATED WITH 19mm ARMAFLEX INSULATION.ALL REFRIGERANT PIPEWORK EXTERNAL TO BE BUILDING SHALL BE COVERED WITH SHEETMETAL FLASHING OVER TOPS AND SIDES TO PREVENT PREMATURE DETERIORATION. 5.
- ALL DUCT PENETRATIONS, WALL PENETRATIONS AND SEALING OF PENETRATIONS SHALL BE DONE BY THE BUILDER.COST TO BE INCLUDED BY THE MECHANICAL CONTRACTOR. 6.
- THE WALL MOUNTED UNIT TO BE COMPLETE WITH CONDENSATE PUMP, FACTORY INSTALLED.

PROPOSED EQUIPMENT SCHEDULES

МЗ

SCALE: N/A

REVISION T2 REVISION OF SCHEDULE T1 TENDER ISSUE

**TENDER ISSUE** 



ENGINEER:



| P1  | 170423 | REVISED TENDER |
|-----|--------|----------------|
| NO: | DATE:  | REVISION:      |

PACIFIC COMMUNITY PROPOSED EXTENSION TO EXISTING BUILDING-CRYO LAB FNTC ROAD 2, NASINU. DRAWING TITLE: PROPOSED EQUIPMENT SCHEDULES

DESIGN: KB 3885 QA: KB/NP AUTOCAD FILE NO: SCALE: N/A

STATUS: REVISED TENDER

3885-M3-T2 DATE: 170423

T2 A3

|          | FANS SCHEDULE                      |   |                |               |        |                    |                                       |                         |                |    |         |                          |   |
|----------|------------------------------------|---|----------------|---------------|--------|--------------------|---------------------------------------|-------------------------|----------------|----|---------|--------------------------|---|
| UNIT NO. | DESCRIPTION                        | AREA SERVED                                       | AIR FLOW (L/S) | PRESSURE (Pa) | DRIVE  | FAN SPEED<br>(RPM) | ELECTRICAL DATA<br>(Kw / V / PH / Hz) | NOMINAL<br>DIAMETER(mm) | WEIGH<br>T(kg) |    | MAKE    | MODEL                    | REMARKS                                     |
| SAF-G.1  | INLINE SUPPLY AIR FAN              | LIQUID NITROGEN , STORAGE ,<br>GROWTH ROOM & LAB  | 610            | 140           | DIRECT | 2880               | 0.23/415/3/50                         | 315                     | 22             | 54 | FANTECH | AP0312JP3/16             | TO BE INTERLOCKED WITH IDUG.9& RUN ON VSD   |
| EAF-G.1  | INLINE DUCT MOUNTED<br>EXHAUST FAN | LIQUID NITROGEN , STORAGE ,<br>GROWTH ROOM & LAB" | 760            | 150           | DIRECT | 2880               | 0.33/415/3/50                         | 315                     | 22             | 57 | FANTECH | AP0312JP6/18             | TO BE INTERLOCKED WITH SAF-G.1 & RUN ON VSD |
| EAF-G.2  | INLINE DUCT MOUNTED EXHAUST FAN    | ALCOHOL STORAGE                                   | 70             | 100           | DIRECT | 1950               | 0.04/240/1/50                         | 150                     | 2              | 40 | FANTECH | TD-500/150<br>(LO SPEED) | ON / OFF VIA FAN CONTROLLER                 |

## NOTES

- I. EXHAUST FAN SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATION AND TECHNICAL SPECIFICATIONS.
- 2. MECHANICAL CONTRACTOR SHALL PROVIDE CLIPSAL WEATHER PROOF ISOLATOR FOR THE FANS.
- 3. DUCT PENETRATION, WALL PENETRATIONS, ROOF PENETRATION & SEALING OF THE PENETRATION TO BE DONE BY THE BUILDER, COST TO BE INCLUDED BY THE MECHANICAL CONTRACTOR
- 4. INTERLOCKING AND CONTROL WIRING OF FANS AND AIR CONDITIONING UNITS TO BE DONE BY MECHANICAL CONTRACTOR.
- 5. MECHANICAL CONTRACTOR TO PROGRAM FOR AUTOMATIC SWITCHOVER TO STANDBY FAN OPERATION IF DUTY FAN FAILS.

|          | AIR DISTRIBUTION DEVICE SCHEDULE                 |                            |                         |            |          |  |  |  |  |  |  |
|----------|--|----------------------------|-------------------------|------------|----------|--|--|--|--|--|--|
| UNIT NO. | AREA SERVED                                      | NOMINAL SIZE<br>(W x H) mm | FACE SIZE<br>(W x H) mm | MODEL      | MAKE     |  |  |  |  |  |  |
| OAL -G.1 | LIQUID NITROGEN & STORAGE                        | 1250x500                   | 1294x544                | OHL -F-D   | HOLYOAKE |  |  |  |  |  |  |
| SD1      | LIQUID NITROGEN , STORAGE ,<br>GROWTH ROOM & LAB | 450x125                    | 500x150                 | SDL20/OBD  | HOLYOAKE |  |  |  |  |  |  |
| EG1      | LIQUID NITROGEN , STORAGE ,<br>GROWTH ROOM & LAB | 450x125                    | 498x173                 | EC-125/OBD | HOLYOAKE |  |  |  |  |  |  |
| EG2      | ALCOHOL STORAGE                                  | 150x150                    | 198x198                 | EC-125     | HOLYOAKE |  |  |  |  |  |  |
| DG1      | ALCOHOL STORAGE                                  | 250x250                    | 300x300                 | DG-52      | HOLYOAKE |  |  |  |  |  |  |

# NOTES:

- 1. AIR DISTRIBUTION DEVICES SHALL BE INSTALLED ACCORDING TO MANUFACTURES RECOMMENDATION AS PER DIFFUSER MODEL.
- 2. SQUARE TO ROUND ADAPTOR SHALL BE USED TO CONNECT FLEXIBLE DUCT TO RIGID DUCT.
- 3. ACCESS PANELS TO BE SUPPLIED AND INSTALLED BY BUILDER.
- 4. ALL DISTRIBUTION DEVICES SHALL BE POWDER COATED.
- 5. DUCT ,WALL PENETRATIONS & SEALING OF THE PENETRATION TO BE DONE BY THE BUILDER, COST TO BE INCLUDED BY THE MECHANICAL CONTRACTOR.
- 6. THE DOOR GRILLE IS TO BE INSTALLED BY THE BUILDER BUT SUPPLIED BY MECHANICAL CONTRACTOR.

|          | FIRE DAMPER SCHEDULE                                   |                           |                       |  |                          |          |  |  |  |  |
|----------|--|---------------------------|-----------------------|--|--------------------------|----------|--|--|--|--|
| UNIT NO. | AREA SERVED  | DUCT DIMENSION<br>(W x H) | LOCATION              | MODEL                                  | FIRE DAMPER INSTALLATION | MAKE     |  |  |  |  |
| FD1      | STORAGE, LAB   | 250 x 150                 | SUPPLY AIR DUCT       | IBD-FS-B-V                             | VERTICAL                 | HOLYOAKE |  |  |  |  |
| FD2      | LIQUID NITROGEN STORAGE,<br>STORAGE, LAB & GROWTH ROOM | 500 × 200                 | EXHAUST AIR DUCT      | IBD-FS-B-V                             | VERTICAL                 | HOLYOAKE |  |  |  |  |
| FD3      | LIQUID NITROGEN STORAGE,<br>STORAGE, LAB & GROWTH ROOM | 500 × 500                 | EXHAUST AIR DUCT      | IBD-FS-B-V                             | HORIZONTAL               | HOLYOAKE |  |  |  |  |
| FD4      | STORAGE, LAB, GROWTH ROOM                              | 1500 x 450                | OUTDOOR AIR<br>LOUVRE | IBD-FS-B-V<br>(Multi-section 1 sleeve) | VERTICAL                 | HOLYOAKE |  |  |  |  |

# NOTES

- FIRE DAMPER SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATION AND TECHNICAL SPECIFICATION.
- 2. MECHANICAL CONTRACTOR SHALL ALLOW DUCT ACCESS DOORS FOR ALL FIRE DAMPERS.

1 PROPOSED EQUIPMENT SCHEDULES
M4 SCALE: N/A

|               |           | AIR FILTER SCHEDULE |             |                     |           |  |  |  |  |  |  |  |
|---------------|-----------|---------------------|-------------|---------------------|-----------|--|--|--|--|--|--|--|
|               | UNIT REF. | QUANTITY            | TYPE        | MAKE                | REMARKS   |  |  |  |  |  |  |  |
|               | AF-1      | 1                   | G4          | AIREPURE            | SEE NOTES |  |  |  |  |  |  |  |
| A (           | AF-2      | 1                   | G4          | AIREPURE            | SEE NOTES |  |  |  |  |  |  |  |
| /12           | HF1       | 1                   | HEPA FILTER | AMERICAN AIR FILTER |           |  |  |  |  |  |  |  |
| A (           | HF2       | 1                   | HEPA FILTER | AMERICAN AIR FILTER | SEE NOTES |  |  |  |  |  |  |  |
| <u>/ 12</u> \ | UF2       | 2                   | ULPA FILTER | AMERICAN AIR FILTER | SEE NOTES |  |  |  |  |  |  |  |

# NOTES

- 1. AIR FILTER SHALL BE INSTALLED ACCORDING TO MANUFACTURERS RECOMMENDATION AND TECHNICAL SPECIFICATION.
- 2. MECHANICAL CONTRACTOR SHALL ALLOW DUCT ACCESS DOORS FOR AIR FILTERS

REVISION

T2 ADDITION OF FILTERS & DELETION OF FIRE DAMPERS

T1 TENDER ISSUE

TENDER ISSUE







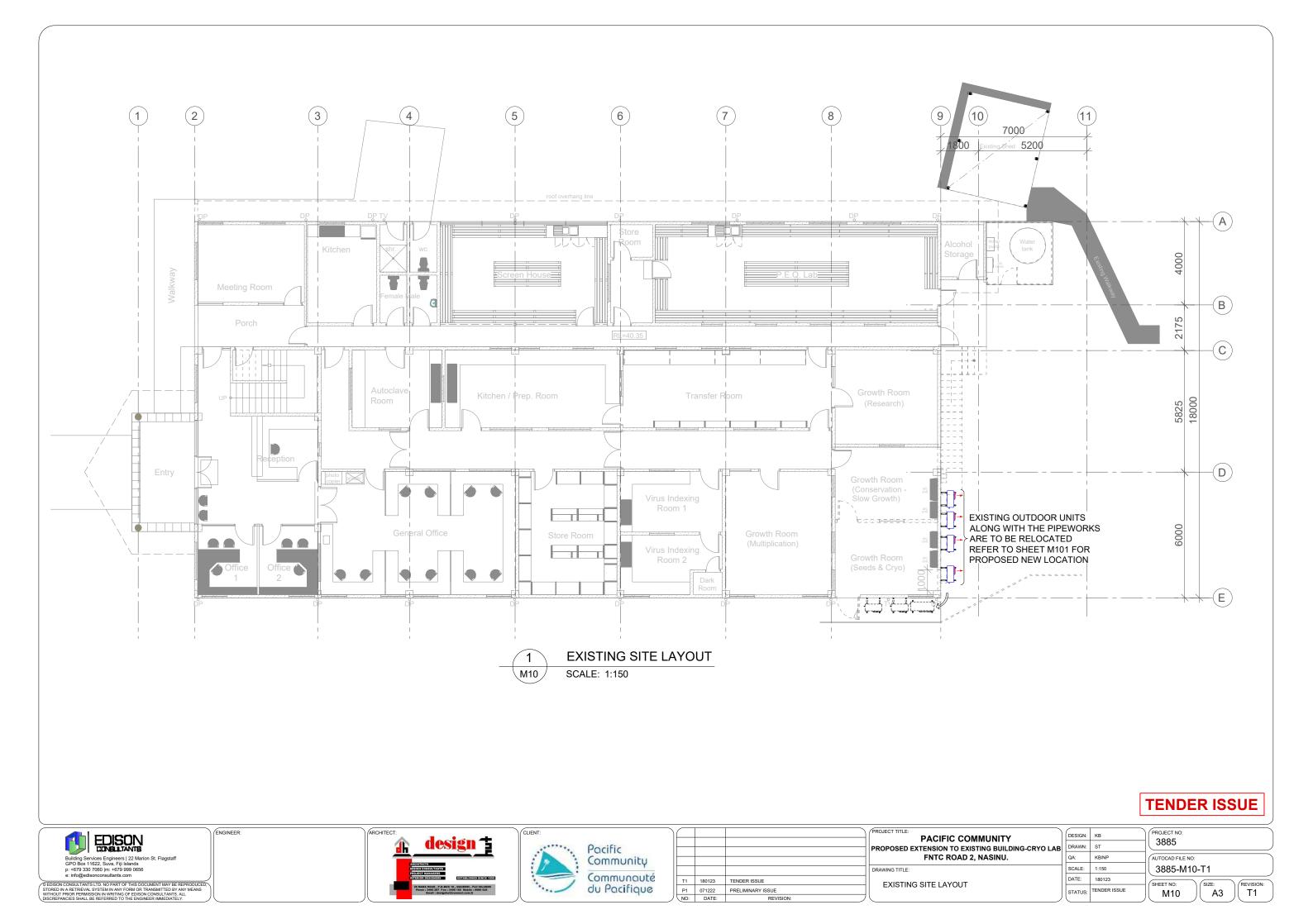


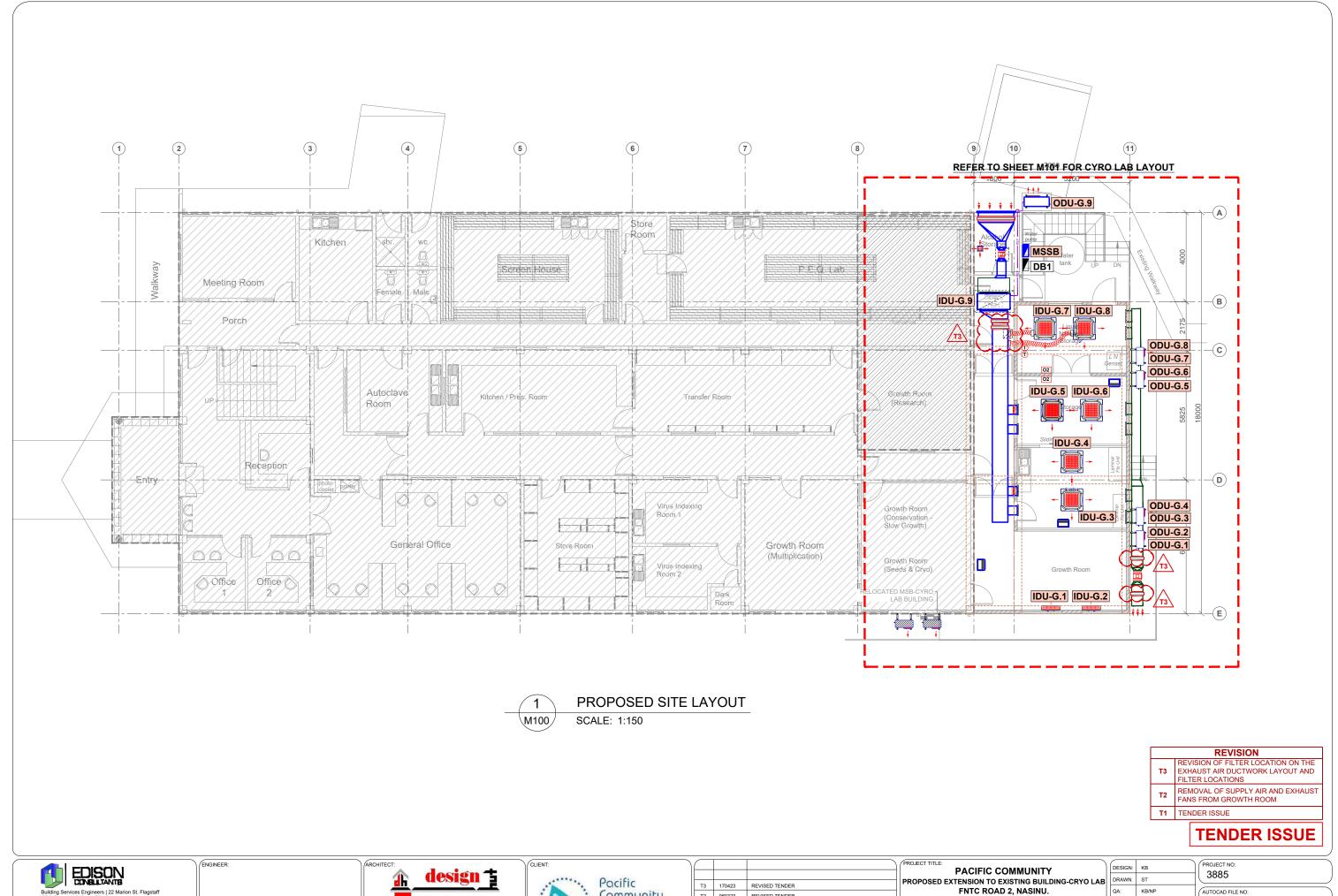
| T2  | 170423 | REVISED TENDER |
|-----|--------|----------------|
| T1  | 180123 | TENDER ISSUE   |
| NO: | DATE:  | REVISION:      |

| PROJECT TITLE:                                   | . / | 1 |
|--|-----|---|
| PACIFIC COMMUNITY                                | ıŀ  |   |
| PROPOSED EXTENSION TO EXISTING BUILDING-CRYO LAB |     |   |
| FNTC ROAD 2, NASINU.                             | П   |   |
| DRAWING TITLE:                                   |     |   |
|  | ш   |   |

PROPOSED EQUIPMENT SCHEDULES

| 1 | DESIGN: | КВ             | PROJECT NO:               |  |
|---|---------|----------------|---------------------------|--|
| 3 | DRAWN:  | ST             | 3885                      |  |
|   | QA:     | KB/NP          | AUTOCAD FILE NO:          |  |
| 1 | SCALE:  | N/A            | 3885-M4-T2                |  |
|   | DATE:   | 170423         | SHEET NO: SIZE: REVISION: |  |
| ı | STATUS  | REVISED TENDER | NAA A2 REVISION:          |  |





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| Т3  | 170423 | REVISED TENDER    |  |
|-----|--------|-------------------|--|
| T2  | 060323 | REVISED TENDER    |  |
| T1  | 180123 | TENDER ISSUE      |  |
| P2  | 071222 | PRELIMINARY ISSUE |  |
| P1  | 041122 | PRELIMINARY ISSUE |  |
| NO: | DATE:  | REVISION:         |  |

FNTC ROAD 2, NASINU. SCALE: 1:150

PROPOSED SITE LAYOUT

AUTOCAD FILE NO: 3885-M100-T3

DATE: 170423

STATUS: REVISED TENDER

A3 M100



