



## LEGENDS

- CASSETTE TYPE FAN COIL UNIT
- PIPING
- WALL MOUNTED FAN COIL UNIT

### INDOOR UNIT IDENTIFICATION

- TAG NO.
- UNIT DESIGNATION
- UNIT COOLING CAPACITY

### GENERAL NOTES:

- THIS DRAWING SHOWS THE SECOND FLOOR PIPING LAYOUT.
- ALL DIMENSIONS ARE IN M UNLESS OTHERWISE SPECIFIED.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE BALANCING, TESTING, AND COMMISSIONING OF THE WHOLE AIR CONDITIONING AND VENTILATION SYSTEM.

M  
3

## SECOND FLOOR PIPING LAYOUT

SCALE

1:400

| Tag No. | Unit Type       | Qty | Cooling Capacity (kW) | Water Flow (L/s) | Rated Power Input (W) | Rated Current Input (A) | Max. Working Pressure (MPa) | Inlet/Outlet Pipe | Condensing Water Pipe |
|---------|-----------------|-----|-----------------------|------------------|-----------------------|-------------------------|-----------------------------|-------------------|-----------------------|
| FCU1    | Ceiling Exposed | 2   | 2.5                   | 0.07             | 51                    | 0.23                    | 1.6                         | ø 1/4"            | ø 3/4"                |
| FCU10   | Ceiling Exposed | 2   | 2.5                   | 0.13             | 51                    | 0.23                    | 1.6                         | ø 3/8"            | ø 3/4"                |
| FCU11   | Ceiling Exposed | 5   | 2.5                   | 0.17             | 51                    | 0.23                    | 1.6                         | ø 1/2"            | ø 3/4"                |
| FCU12   | Ceiling Exposed | 2   | 4.1                   | 0.26             | 58                    | 0.25                    | 1.6                         | ø 3/4"            | ø 3/4"                |
| FCU13   | Ceiling Exposed | 4   | 4.5                   | 0.26             | 73                    | 0.32                    | 1.6                         | ø 3/4"            | ø 3/4"                |
| FCU14   | Ceiling Exposed | 8   | 6                     | 0.22             | 73                    | 0.36                    | 1.6                         | ø 1/2"            | ø 3/4"                |
| FCU15   | Ceiling Exposed | 1   | 6                     | 0.06             | 73                    | 0.36                    | 1.6                         | ø 1/4"            | ø 3/4"                |
| FCU16   | Ceiling Exposed | 1   | 7.3                   | 0.43             | 103                   | 0.39                    | 1.6                         | ø 1"              | ø 3/4"                |
| FCU17   | Ceiling Exposed | 1   | 7.3                   | 0.26             | 103                   | 0.39                    | 1.6                         | ø 3/4"            | ø 3/4"                |
| FCU18   | Ceiling Exposed | 4   | 7.3                   | 0.11             | 103                   | 0.39                    | 1.6                         | ø 3/8"            | ø 3/4"                |
| FCU19   | Ceiling Exposed | 4   | 8.8                   | 0.35             | 109                   | 0.39                    | 1.6                         | ø 3/4"            | ø 3/4"                |
| FCU20   | Wall Mounted    | 8   | 4.5                   | 0.17             | 50                    | 0.29                    | 1.6                         | ø 1/2"            | ø 3/4"                |



**BatStateU**  
BATANGAS STATE UNIVERSITY  
Gov. Pablo Borbon Main Campus II  
Alangilan, Batangas City  
MECHANICAL ENGINEERING DEPARTMENT

### PROJECT LEADER

ENGR. MARK KERVIN N. ABU  
MECHANICAL ENGINEER

SECTION: ME - 5103

GROUP NO: 12

DATE SUB: JANUARY 10, 2020

ENGR. ALLAN B. DE VILLA  
PROFESSIONAL MECHANICAL ENGINEER

PTR No.

Issued on:

Issued at:

### PROJECT / LOCATION:

PROPOSED THREE STOREY HOSPITAL

BATANGAS CITY

### OWNER

TEAM ABU

ENGR. RONIEL A. AZUCENA  
PRESIDENT

### PREPARED BY:

ABU, MARK KERVIN N.

AZUCENA, RONIEL A.

CASTILLO, JOHN ADRIAN M.

### No.

1

2

3

### REVISIONS

DRAWING DETAILS

DRAWING DETAILS

DRAWING DETAILS

### DATE

12/10/2019

12/22/2019

01/10/2020

### SHEET CONTENT

SECOND FLOOR PIPING LAYOUT

### SHEET NO.

M  
3