

## LEGENDS

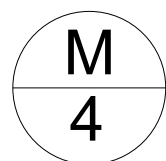
- CASSETTE TYPE FAN COIL UNIT
- PIPING
- WALL MOUNTED FAN COIL UNIT

### INDOOR UNIT IDENTIFICATION

- TAG NO.
- UNIT DESIGNATION
- UNIT COOLING CAPACITY

### GENERAL NOTES:

- THIS DRAWING SHOWS THE THIRD 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.



## THIRD 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 | 3   | 2.5                   | 0.07             | 51                    | 0.23                    | 1.6                         | ø 1/4"            | ø 3/4"                |
| FCU5    | Ceiling Exposed | 4   | 4.1                   | 0.07             | 58                    | 0.25                    | 1.6                         | ø 1/4"            | ø 3/4"                |
| FCU9    | Ceiling Exposed | 8   | 6                     | 0.11             | 73                    | 0.36                    | 1.6                         | ø 3/8"            | ø 3/4"                |
| FCU21   | Ceiling Exposed | 2   | 2.5                   | 0.45             | 51                    | 0.23                    | 1.6                         | ø 1 1/4"          | ø 3/4"                |
| FCU22   | Wall Mounted    | 12  | 4.5                   | 0.11             | 73                    | 0.32                    | 1.6                         | ø 3/8"            | ø 3/4"                |
| FCU23   | Ceiling Exposed | 1   | 6                     | 0.14             | 73                    | 0.36                    | 1.6                         | ø 3/8"            | ø 3/4"                |
| FCU24   | Ceiling Exposed | 1   | 6                     | 0.18             | 73                    | 0.36                    | 1.6                         | ø 1/2"            | ø 3/4"                |
| FCU25   | Ceiling Exposed | 1   | 6                     | 0.21             | 73                    | 0.36                    | 1.6                         | ø 1/2"            | ø 3/4"                |
| FCU26   | Ceiling Exposed | 1   | 8.8                   | 0.18             | 109                   | 0.39                    | 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                                  | INSTRUCTOR  | PROJECT / LOCATION:            | OWNER                                | PREPARED BY:             | No. | REVISIONS       | DATE       | SHEET CONTENT             | SHEET NO. |
|---|---|--------------------------------|--------------------------------------|--------------------------|-----|-----------------|------------|---------------------------|-----------|
| ENGR. MARK KERVIN N. ABU<br>MECHANICAL ENGINEER | ENGR. ALLAN B. DE VILLA<br>PROFESSIONAL MECHANICAL ENGINEER | PROPOSED THREE STOREY HOSPITAL | TEAM ABU                             | ABU, MARK KERVIN N.      | 1   | DRAWING DETAILS | 12/10/2019 | THIRD FLOOR PIPING LAYOUT | M<br>4    |
| SECTION: ME - 5103                              | PRC Reg No.   |                                |                                      | AZUCENA, RONIEL A.       | 2   | DRAWING DETAILS | 12/22/2019 |                           |           |
| GROUP NO: 12                                    | TIN:  |                                |                                      | CASTILLO, JOHN ADRIAN M. | 3   | DRAWING DETAILS | 01/10/2020 |                           |           |
| DATE SUB: JANUARY 10, 2020                      |   | BATANGAS CITY                  | ENGR. RONIEL A. AZUCENA<br>PRESIDENT |                          |     |                 |            |                           |           |