

LEGENDS:

- DUCTING
- PIPING
- AIR HANDLING UNIT
- CASSETTE TYPE FAN COIL UNIT
- WALL MOUNTED FAN COIL UNIT
- DIFFUSER

INDOOR UNIT IDENTIFICATION

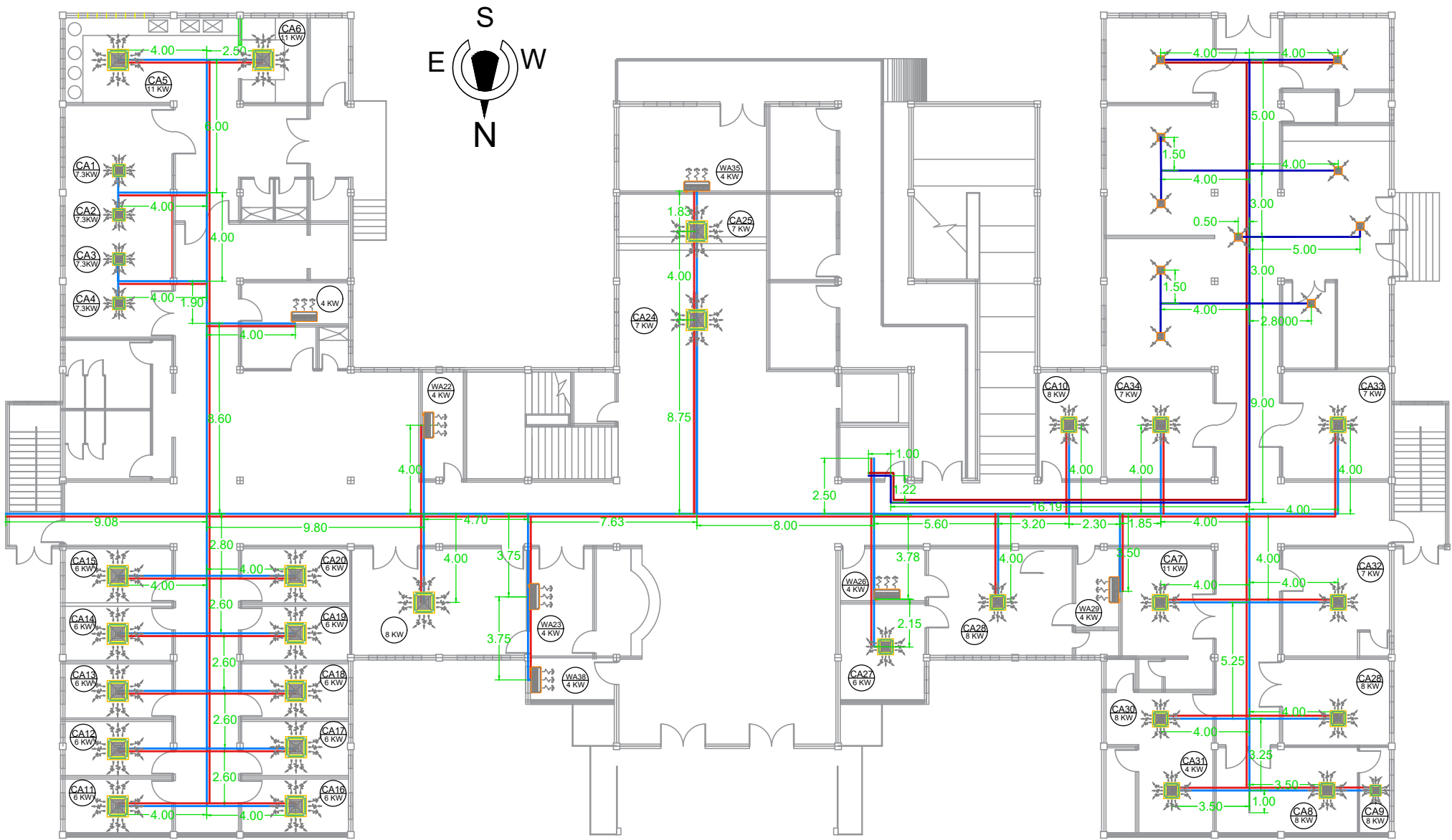
MOUNTING TYPE: C = CEILING MOUNTED
UNIT DESIGNATION: W = WALL MOUNTED

UNIT COOLING CAPACITY

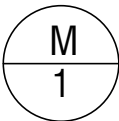
- GENERAL NOTES
- THIS DRAWING SHOWS THE GROUND FLOOR ACU LAYOUT.
 - ALL DIMENSIONS ARE IN M UNLESS OTHERWISE SPECIFIED.
 - THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL THE BALANCING, TESTING, AND COMMISSIONING OF THE WHOLE AIR CONDITIONING AND VENTILATION SYSTEM.
 - THIS DRAWING IS NOT INTENDED TO SHOW EVERY DETAIL OF INSTALLATION FITTINGS AND ACCESSORIES REQUIRED TO COMPLETE THE JOB.

| PIPE WORKS | |
|--------------|----------------|
| RUN | PIPE SIZE (MM) |
| PUMP-CHILLER | 150 |
| CHILLER-A | 150 |
| A-B | 125 |
| B-C | 75 |
| C-D | 60 |
| D-E | 60 |
| E-F | 60 |
| F-G | 60 |
| G-H | 60 |
| H-I | 50 |
| I-J | 50 |
| J-K | 50 |
| K-L | 50 |
| L-M | 50 |
| M-N | 50 |
| N-FCU | 50 |

| SUPPLY DUCT WORK | |
|------------------|----------------|
| RUN | DUCT SIZE (MM) |
| AHU-A | 1200 |
| A-B | 650 |
| B-C | 550 |
| C-D | 450 |
| D-S | 350 |
| E-DIFFUSER | 300 |
| RETURN DUCT WORK | |
| RUN | DUCT SIZE (MM) |
| INTAKE-B | 550 |
| B-A | 650 |
| A-AHU | 1200 |



| COOLING LOAD SCHEDULE | | | | | | |
|-----------------------|----------|---------|---------|---------|----------|--------|
| UNIT TYPE | CAPACITY | | | | | |
| | 4540 KW | 6150 KW | 7330 KW | 8790 KW | 11140 KW | 305L/s |
| CEILING CASSETTE TYPE | | 12 | 10 | 5 | 3 | |
| WALL MOUNTED TYPE | 8 | | | | | |
| DIFFUSERS | | | | | | 10 |



GROUND FLOOR ACU LAYOUT

SCALE 1:125MTS



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

| PROJECT LEADER | |
|-------------------------------------------|--------------------|
| JOHN RIEL U. AGUBA MECHANICAL ENGINEER | |
| PRC Reg No.: | SECTION: ME - 5102 |
| TIN: | GROUP NO: 02 |
| | DATE SUB: 11/19/18 |

| INSTRUCTOR | |
|-------------------------------------------------------------|------------|
| ENGR. ALLAN B. DE VILLA PROFESSIONAL MECHANICAL ENGINEER | |
| PRC Reg No.: | PTR No.: |
| TIN: | Issued on: |
| | Issued at: |

| PROJECT / LOCATION: | |
|--------------------------------------------------------|--|
| OSPITAL NG LIPA | |
| 347 Balintawak Road Lipa City, Batangas Philippines | |

| OWNER | |
|-----------------------------------|--|
| MAYNARD SABILI LIPA CITY MAYOR | |

| PREPARED BY: | |
|------------------------|--|
| AGUBA, JOHN RIEL U. | |
| BLANCO, ROSELLE E. | |
| DE ALVA, JOHN LLOYD G. | |

| No. | REVISIONS | DATE |
|-----|-----------------|----------|
| 1 | DRAWING DETAILS | 11/26/18 |

| SHEET CONTENT | |
|----------------------------------|--|
| GROUND FLOOR PLAN HVAC LAYOUT | |
| SHEET NO. | |

