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| SINGLE DUCT AIR TERMINAL UNIT SCHEDULE |      |      |                              |                           |                                    |              |                        |                     |     |                        |                              |     |                      |               |              |         |
|--|------|------|------------------------------|---------------------------|------------------------------------|--------------|------------------------|---------------------|-----|------------------------|------------------------------|-----|----------------------|---------------|--------------|---------|
| UNIT NO.                               | CFM  |      | DUCT RUNOUT SIZE TO UNIT IN. | UNIT MAX. SP. AT MAX. CFM | SOUND REQUIREMENTS                 |              | HOT WATER HEATING COIL |                     |     |                        |                              |     | CFM AT MIN. BTUH (W) | MIN. BTUH (W) | CONTROL TYPE | REMARKS |
|  | MAX. | MIN. |                              |                           | SP. ACROSS UNIT AT MAXIMUM ROOM NC | MAX. ROOM NC | ENT. AIR TEMP. °F      | ENT. WATER TEMP. °F | GPM | MAX. WATER PD. FT. H2O | PIPE RUNOUT SIZE TO COIL IN. |     |                      |               |              |         |
|  |      |      |                              |                           |                                    |              |                        |                     |     |                        |                              |     |                      |               |              |         |
| TU-2-1                                 | 1030 | 230  | 10ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.5 | 1.0                    | 3/4                          | 310 | 11730                | D             |              |         |
| TU-2-2                                 | 370  | 80   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 110 | 4195                 | D             |              |         |
| TU-2-3                                 | 215  | 65   | 4ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 65  | 2495                 | D             |              |         |
| TU-2-4                                 | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-5                                 | 730  | 145  | 8ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 240 | 8160                 | D             |              |         |
| TU-2-6                                 | 780  | 145  | 8ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 230 | 8615                 | D             |              |         |
| TU-2-7                                 | 620  | 105  | 8ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 185 | 5020                 | D             |              |         |
| TU-2-8                                 | 465  | 80   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 135 | 5160                 | D             |              |         |
| TU-2-9                                 | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-10                                | 580  | 105  | 8ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 175 | 4695                 | D             |              |         |
| TU-2-11                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-12                                | 915  | 175  | 10ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 220 | 8275                 | D             |              |         |
| TU-2-13                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-14                                | 885  | 145  | 8ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 265 | 7165                 | D             |              |         |
| TU-2-15                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-16                                | 925  | 175  | 10ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 275 | 7450                 | D             |              |         |
| TU-2-17                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-18                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-19                                | 2180 | 450  | 14ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 3.0 | 1.0                    | 3/4                          | 655 | 24765                | D             |              |         |
| TU-2-20                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-21                                | 480  | 80   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 145 | 5385                 | D             |              |         |
| TU-2-22                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-23                                | 670  | 145  | 8ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 200 | 7595                 | D             |              |         |
| TU-2-24                                | 415  | 80   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 125 | 3320                 | D             |              |         |
| TU-2-25                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-26                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-27                                | 500  | 80   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 150 | 3970                 | D             |              |         |
| TU-2-28                                | 460  | 80   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 155 | 4130                 | D             |              |         |
| TU-2-29                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-30                                | 840  | 145  | 10ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.0 | 1.0                    | 3/4                          | 255 | 9520                 | D             |              |         |
| TU-2-31                                | 950  | 175  | 10ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.5 | 1.0                    | 3/4                          | 285 | 10710                | D             |              |         |
| TU-2-32                                | 2050 | 450  | 12ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 2.5 | 1.0                    | 3/4                          | 610 | 23250                | D             |              |         |
| TU-2-33                                | 455  | 80   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | ---                          | 135 | 5160                 | D             | 2            |         |
| TU-2-34                                | 170  | 45   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | ---                          | 50  | 1375                 | D             | 2            |         |
| TU-2-35                                | 90   | 45   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | ---                          | 30  | 800                  | D             | 2            |         |
| TU-2-36                                | 1175 | 230  | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 1.5 | 1.0                    | ---                          | 345 | 13090                | D             | 2            |         |
| TU-2-37                                | 190  | 45   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | ---                          | 60  | 2150                 | D             | 2            |         |
| TU-2-38                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 3            |         |
| TU-2-39                                | 320  | 65   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 95  | 3630                 | D             | 2            |         |
| TU-2-40                                | 135  | 45   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 45  | 1530                 | D             | 2            |         |
| TU-2-41                                | 145  | 45   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 45  | 1645                 | D             | 2            |         |
| TU-2-42                                | 130  | 45   | ---                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 45  | 1700                 | D             | 2            |         |
| TU-2-43                                | ---  | ---  | ---                          | ---                       | ---                                | ---          | ---                    | ---                 | --- | ---                    | ---                          | --- | ---                  | ---           | 1            |         |
| TU-2-44                                | 435  | 80   | 10ø                          | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 130 | 4590                 | D             |              |         |
| TU-2-45                                | 215  | 45   | 6ø                           | 0.3                       | 2.0                                | 35           | 55                     | 180                 | 0.5 | 1.0                    | 3/4                          | 65  | 1750                 | D             |              |         |

- 1 OMITTED
- 2 EXISTING TERMINAL UNIT.
- 3 EXISTING TERMINAL UNIT TO BE REMOVED.

| AIR DISTRIBUTION DEVICE SCHEDULE |                               |                                 |   |  |   |                               |
|----------------------------------|-------------------------------|---------------------------------|---|--|---|-------------------------------|
| DESIGNATION                      | CD                            | CG                              | EG  | LWD                                      | LWG                                     | RG                            |
| DEVICE                           | SUPPLY                        | SUPPLY                          | EXHUAUST                                    | SUPPLY                                   | RETURN                                  | RETURN                        |
| TYPE                             | 3 BLADE LOUVER FACE 24x24     | DOUBLE DEFLECTION 3/4" SPACING  | SINGE DEFLECTION 0" DEFLECTION 1/2" SPACING | 4 FT LENGTH FIXED LOUVER SURFACE MOUNTED | 30" LENGTH FIXED LOUVER SURFACE MOUNTED | 5 BLADE LOUVER FACE 24x24     |
| NECK                             | ROUND                         | SQUARE                          | SQUARE                                      | RECTANGULAR                              | RECTANGULAR                             | SQUARE                        |
| CONSTRUCTION                     | STEEL                         | STEEL                           | ALUMINUM                                    | STEEL                                    | STEEL                                   | STEEL                         |
| REMARKS                          | BASIS OF DESIGN TITUS MD: TMS | BASIS OF DESIGN TITUS MD: 300RL | BASIS OF DESIGN TITUS MD: 355FL             | BASIS OF DESIGN TITUS MD: LL             | BASIS OF DESIGN TITUS MD: LL            | BASIS OF DESIGN TITUS MD: TDC |

| AIR COOLED CONDENSING UNIT SCHEDULE        |                 |                   |  |
|--|-----------------|-------------------|--|
| DESIGNATION                                | ACU-1           | ACU-2             |  |
| TOTAL COOLING CAP. BTUH @ 95 DEG F OUTDOOR | 348,000         | 735,000           |  |
| NUMBER OF COMPRESSORS                      | 2               | 4                 |  |
| NUMBER OF STEPS                            | 2               | 4                 |  |
| NUMBER OF FAN MOTORS                       | 3               | 6                 |  |
| FAN MOTOR HORSEPOWER – EACH                | 1 KW            | 1KW               |  |
| OPERATING VOLTAGE/PHASE                    | 460/3           | 460/3             |  |
| REFRIGERANT                                | R-22            | R-22              |  |
| MATCHING INDOOR UNIT                       | AHU-1           | AHU-2             |  |
| REMARKS                                    | 1               | 1                 |  |
|  | MCA 65, MOCp 90 | MCA 123, MOCp 125 |  |

- 1 45 DEG F SUCTION TEMP

| HVAC PUMP SCHEDULE |             |                  |                   |     |                    |          |         |        |                           |         |             |      |         |
|--------------------|-------------|------------------|-------------------|-----|--------------------|----------|---------|--------|---------------------------|---------|-------------|------|---------|
| PUMP NO.           | LOCATION    | SYSTEM           | CIRCULATING FLUID |     |                    |          |         | % EFF. | TYPE                      | MOTOR   |             |      | REMARKS |
|                    |             |                  | FLUID             | GPM | PUMP HEAD FT FLUID | TEMP. °F | SP. GR. |        |                           | NOM. HP | PHASE/ VOLT | RPM  |         |
| P-1                | SEE DWG M-3 | EXST SEC CIRCUIT | HOT WATER         | 35  | 40                 | 180      | 0.96    | ----   | CLOSE COUPLED END SUCTION | 1.0     | 3/460       | 1750 | 1 6     |
| P-2                | SEE DWG M-3 | EXST SEC CIRCUIT | HOT WATER         | 35  | 40                 | 180      | 0.96    | ----   | CLOSE COUPLED END SUCTION | 1.0     | 3/460       | 1750 | 1 6     |
| P-3                | SEE DWG P-1 | DOMESTIC HOT WTR | DOM WATER         | 10  | 19                 | 120      | 0.98    | ----   | INLINE                    | 1/12    | 1/120       | 1725 | 1       |
| P-4                | SEE DWG M-3 | BOILER RECIRC    | BOILER WATER      | 9   | 10                 | 180      | 0.96    | ----   | INLINE                    | 1/12    | 1/120       | 3150 | 1       |
| P-5                | SEE DWG M-3 | PRIMARY CIRCUIT  | HOT WATER         | 60  | 40                 | 180      | 0.96    | 59     | CLOSE COUPLED END SUCTION | 1-1/2   | 3/460       | 1750 | 2       |
| P-6                | SEE DWG M-3 | PRIMARY CIRCUIT  | HOT WATER         | 60  | 40                 | 180      | 0.96    | 59     | CLOSE COUPLED END SUCTION | 1-1/2   | 3/460       | 1750 | 4       |
| P-7                | SEE DWG M-3 | NEW SEC CIRCUIT  | HOT WATER         | 35  | 60                 | 180      | 0.96    | 46     | CLOSE COUPLED END SUCTION | 1-1/2   | 3/460       | 1750 | 3       |
| P-8                | SEE DWG M-3 | NEW SEC CIRCUIT  | HOT WATER         | 35  | 60                 | 180      | 0.96    | 46     | CLOSE COUPLED END SUCTION | 1-1/2   | 3/460       | 1750 | 4       |
| P-9                | SEE DWG M-3 | BOILER RECIRC    | BOILER WATER      | 9   | 10                 | 180      | 0.96    | ----   | INLINE                    | 1/12    | 1/120       | 3150 |         |
| P-10               | SEE DWG M-3 | BOILER RECIRC    | BOILER WATER      | 9   | 10                 | 180      | 0.96    | ----   | INLINE                    | 1/12    | 1/120       | 3150 |         |
| P-11               | SEE DWG P-1 | DOMESTIC HOT WTR | DOM WATER         | 10  | 19                 | 120      | 0.98    | ----   | INLINE                    | 1/12    | 1/120       | 1725 | 1       |

- 1 EXISTING PUMP
- 2 PRIMARY PUMP
- 3 SECONDARY PUMP
- 4 STANDBY PUMP
- 5 DOMESTIC WATER HEATER RECIRCULATION
- 6 PROVIDE 3øH/460 VOLT, 1750 RPM.

| HOT WATER UNIT HEATER SCHEDULE |              |                  |     |           |               |       |     |           |       |            |         |
|--------------------------------|--------------|------------------|-----|-----------|---------------|-------|-----|-----------|-------|------------|---------|
| UNIT NO.                       | LOCATION     | TYPE UNIT        | CFM | MIN. BTUH | ENT. TEMP. °F |       | GPM | MAX. P.D. | MOTOR |            | REMARKS |
|                                |              |                  |     |           | AIR           | WATER |     |           | HP    | PHASE VOLT |         |
| UH-1                           | SEE DWG M-1  | HORIZ.           | 590 | 20,000    | 65.0          | 200   | 2.0 | 0.10      | 1/20  | 1/120      | 1       |
| CUH-1                          | SEE DWG M-1  | RECESSED CEILING | 190 | 15,000    | 65.0          | 200   | 1.0 | 0.10      | 0.08  | 1/120      | 1       |
| CUH-2                          | SEE DWG MD-1 | RECESSED CEILING | 250 | 20,000    | 65.0          | 200   | 1.5 | 0.10      | 0.09  | 1/120      | 2       |
| UH-2                           | SEE DWG M-1  | HORIZ.           | 815 | 27,000    | 60.0          | 180   | 3.0 | 0.16      | 1/20  | 1/120      |         |

- 1 EXISTING UNIT HEATER TO REMAIN
- 2 EXISTING UNIT HEATER TO BE REMOVED

| ELECTRIC HEATER SCHEDULE |             |
|--------------------------|-------------|
| DESIGNATION              | EUH-1       |
| AREA SERVED              | SEE DWG M-1 |
| HEATING CAPACITY – BTU   | ----        |
| FAN CAPACITY – CFM       | 580         |
| KW RATING                | 3.0         |
| PHASE/VOLT               | 1/208       |
| REMARKS:                 | 1           |

- 1 EXISTING UNIT HEATER TO REMAIN

| AIR HANDLING UNIT SCHEDULE |          |             |                |            |                                    |                               |                                 |                    |             |         |
|----------------------------|----------|-------------|----------------|------------|------------------------------------|-------------------------------|---------------------------------|--------------------|-------------|---------|
| UNIT NO.                   | LOCATION | AREA SERVED | SUPPLY FAN NO. | CFM SUPPLY | EXTERNAL STATIC PRESSURE MIN. O.A. | SPECIFIED INTERNAL LOSSES IN. | UNSPECIFIED INTERNAL LOSSES IN. | FAN TOTAL S.P. IN. | TYPE SYSTEM | REMARKS |
|                            |          |             |                |            |                                    |                               |                                 |                    |             |         |
| AHU-1                      | ATTIC    | 1ST FLOOR   | SF-1           | 10000      | 1800                               | ----                          | ----                            | ----               | 1.25        | VAV 1   |
| AHU-2                      | MECH. RM | 1ST FLOOR   | SF-2           | 19,725     | 4,060                              | 4.25                          | 1.55                            | 0.0                | 5.77        | VAV 2   |

- 1 EXISTING AHU. REPLACE EXISTING MOTOR WITH 10 HP , 770 RPM, 460/3øH.
- 2 30 Hp MOTOR, 28.3 Bhp, 1485 RPM FAN SPEED, AIR FOIL FAN, 460 VOLT, 3 PHASE

| REFRIGERANT COOLING COIL SCHEDULE |        |        |                    |                   |             |      |             |      |                   |             |              |                     |           |         |
|-----------------------------------|--------|--------|--------------------|-------------------|-------------|------|-------------|------|-------------------|-------------|--------------|---------------------|-----------|---------|
| COIL NO.                          | SYSTEM | CFM    | MAX. FACE VEL. FPM | MAX. S.P. LOSS IN | ENT. AIR °F |      | LVG. AIR °F |      | CIRCULATING FLUID |             |              |                     | MIN. BTUH | REMARKS |
|                                   |        |        |                    |                   | DB          | WB   | DB          | WB   | GPM               | TEMP. IN °F | TEMP. OUT °F | MAX. LOSS FT. FLUID |           |         |
| CC-1                              | AHU-1  | 10,000 | ---                | ---               | ---         | ---  | ---         | ---  | ---               | ---         | ---          | ---                 | 354,000   | 1       |
| CC-2                              | AHU-2  | 19,725 | 500                | 1.0               | 80.0        | 65.0 | 54.0        | 53.0 | NA                | NA          | NA           | NA                  | 716,000   | 2       |

- 1 EXISTING COOLING COIL.
- 2 COIL FOR AHU-2 SHALL BE 45 DEG F SUCTION TEMP.

| HOT WATER HEATING COIL SCHEDULE |        |        |                    |                   |              |      |                   |             |              |                    |           |         |
|---------------------------------|--------|--------|--------------------|-------------------|--------------|------|-------------------|-------------|--------------|--------------------|-----------|---------|
| COIL NO.                        | SYSTEM | CFM    | MAX. FACE VEL. FPM | MAX. S.P. LOSS IN | TEMP. AIR °F |      | CIRCULATING FLUID |             |              |                    | MIN. BTUH | REMARKS |
|                                 |        |        |                    |                   | ENT.         | LVG. | GPM               | TEMP. IN °F | TEMP. OUT °F | MAX. LOSS FT. LOSS |           |         |
| HC-1                            | AHU-1  | 10,000 | ---                | ---               | ---          | ---  | 31                | 180         | 160          | ---                | 282,000   | 1       |
| HC-2                            | AHU-2  | 19,725 | 500                | 0.25              | 55.0         | 60.0 | 12                | 180         | 160          | ---                | 107,000   |         |