

**ELECTRIC HUMIDIFIER SCHEDULE**

| UNIT NO.                  | LOCATION                  | SERVICE         | TYPE                | CAPACITY LB/H | HEATER        |                |              |               | MANUFACTURER/ MODEL NO.  | REMARKS   |
|---------------------------|---------------------------|-----------------|---------------------|---------------|---------------|----------------|--------------|---------------|--------------------------|---|
|                           |                           |                 |                     |               | KW            | V              | PH           | HZ            |                          |   |
| <del>W-CS-107-HU-01</del> | <del>CORNER STATION</del> | <del>LVEA</del> | <del>ELECTRIC</del> | <del>75</del> | <del>26</del> | <del>460</del> | <del>3</del> | <del>60</del> | <del>NORTEC NH-075</del> | <del>DOMESTIC WATER W/ BLOWDOWN CYCLE</del>                       |
| <del>W-CS-107-HU-02</del> | <del>CORNER STATION</del> | <del>LVEA</del> | <del>ELECTRIC</del> | <del>75</del> | <del>26</del> | <del>460</del> | <del>3</del> | <del>60</del> | <del>NORTEC NH-075</del> | <del>DOMESTIC WATER W/ BLOWDOWN CYCLE</del>                       |
| <del>W-CS-107-HU-03</del> | <del>CORNER STATION</del> | <del>LVEA</del> | <del>ELECTRIC</del> | <del>75</del> | <del>26</del> | <del>460</del> | <del>3</del> | <del>60</del> | <del>NORTEC NH-075</del> | <del>DOMESTIC WATER W/ BLOWDOWN CYCLE</del>                       |
| <del>W-CS-107-HU-04</del> | <del>CORNER STATION</del> | <del>LVEA</del> | <del>ELECTRIC</del> | <del>75</del> | <del>26</del> | <del>460</del> | <del>3</del> | <del>60</del> | <del>NORTEC NH-075</del> | <del>DOMESTIC WATER W/ BLOWDOWN CYCLE</del>                       |
| W-CS-107-HU-05            | CORNER STATION            | OSB             | ELECTRIC            | 50            | 17            | 460            | 3            | 60            | NORTEC NH-030            | DOMESTIC WATER W/ BLOWDOWN CYCLE                                  |
| W-CS-107-HU-06            | CORNER STATION            | OSB             | ELECTRIC            | 50            | 17            | 460            | 3            | 60            | NORTEC NH-030            | DOMESTIC WATER W/ BLOWDOWN CYCLE                                  |
| W-CS-160-HU-07            | CORNER STATION            | OSB             | ELECTRIC            | 150           | 52            | 460            | 3            | 60            | NORTEC NH-075            | DOMESTIC WATER W/ BLOWDOWN CYCLE                                  |
| W-MA-203-HU-01            | MID STATION A             | MID STATION A   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE          |
| W-MA-203-HU-02            | MID STATION A             | MID STATION A   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE, STANDBY |
| W-MB-203-HU-01            | MID STATION B             | MID STATION B   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE, STANDBY |
| W-MB-203-HU-02            | MID STATION B             | MID STATION B   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE, STANDBY |
| W-EA-203-HU-01            | END STATION A             | END STATION A   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE          |
| W-EA-203-HU-02            | END STATION A             | END STATION A   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE, STANDBY |
| W-EB-203-HU-01            | END STATION B             | END STATION B   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE          |
| W-EB-203-HU-02            | END STATION B             | END STATION B   | ELECTRIC            | 40            | 14            | 460            | 3            | 60            | DRI STEEM VLDI-16-1      | RO & DEMINERALIZED OR DISTILLED WATER W/O BLOWDOWN CYCLE, STANDBY |

**OMIT**

**ELECTRIC DUCT HEATER SCHEDULE**

| UNIT NO.                  | LOCATION             | SERVICE         |                               | HEATING CAPACITY (KW) | NUMBER OF STAGES | VOLTS/ PH/HZ        | DUCT SIZE (IN)   | MANUFACTURER/ MODEL NO.   | REMARKS     |
|---------------------------|----------------------|-----------------|-------------------------------|-----------------------|------------------|---------------------|------------------|---------------------------|-------------|
|                           |                      | BUILDING        | ROOM                          |                       |                  |                     |                  |                           |             |
| <del>W-CS-107-HC-01</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>LASER AREA - 1</del>     | <del>75</del>         | <del>SCR</del>   | <del>460/3/60</del> | <del>48X36</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-02</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>LASER AREA - 2</del>     | <del>150</del>        | <del>SCR</del>   | <del>460/3/60</del> | <del>48X60</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-03</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>LASER AREA - 3</del>     | <del>150</del>        | <del>SCR</del>   | <del>460/3/60</del> | <del>48X60</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-04</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>LASER AREA - 4</del>     | <del>100</del>        | <del>SCR</del>   | <del>460/3/60</del> | <del>48X36</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-05</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>LASER AREA - 5</del>     | <del>100</del>        | <del>SCR</del>   | <del>460/3/60</del> | <del>48X36</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-06</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>MECHANICAL ROOM</del>    | <del>75</del>         | <del>4</del>     | <del>460/3/60</del> | <del>48X24</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-07</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>OUTSIDE AIR SUPPLY</del> | <del>50</del>         | <del>4</del>     | <del>460/3/60</del> | <del>24X24</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| <del>W-CS-107-HC-08</del> | <del>MECH ROOM</del> | <del>LVEA</del> | <del>OUTSIDE AIR SUPPLY</del> | <del>50</del>         | <del>4</del>     | <del>460/3/60</del> | <del>24X24</del> | <del>CHROMALOX DHIF</del> | <del></del> |
| W-CS-107-HC-09            | AHU-3                | OSB             | AHU - 3                       | 50                    | 4                | 460/3/60            | 30X48            | CHROMALOX DHIF            |             |
| W-CS-107-HC-10            | AHU-3                | OSB             | AHU - 3                       | 50                    | 4                | 460/3/60            | 30X48            | CHROMALOX DHIF            |             |
| W-CS-107-HC-11            | MECH ROOM            | OSB             | OUTSIDE AIR SUPPLY            | 15                    | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-CS-107-HC-12            | MECH ROOM            | OSB             | OUTSIDE AIR SUPPLY            | 15                    | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-CS-160-HC-13            | MECH ROOM            | AHU-4           | OUTSIDE AIR SUPPLY            | 50                    | 4                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-MA-203-HC-01            | MID STATION A        | MID STATION A   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            | STANDBY     |
| W-MA-203-HC-02            | MID STATION A        | MID STATION A   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-MA-203-HC-03            | MID STATION A        | MID STATION A   | VEA                           | 75                    | SCR              | 460/3/60            | 30X36            | CHROMALOX DHIF            |             |
| W-MA-203-HC-04            | MID STATION A        | MID STATION A   | EXPERIMENT EQUIPMENT          | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-MA-203-HC-05            | MID STATION A        | MID STATION A   | CLEANING & CHANGE ROOM        | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-MA-203-HC-06            | MID STATION A        | MID STATION A   | INSPECTION/SHIP/REC.          | 9                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-MA-203-HC-07            | MID STATION A        | MID STATION A   | MECHANICAL ROOM               | 12                    | 4                | 460/3/60            | 24X18            | CHROMALOX DHIF            |             |
| W-MA-203-HC-08            | MID STATION A        | MID STATION A   | VACUUM SUPPORT RM.            | 12                    | 2                | 460/3/60            | 18X18            | CHROMALOX DHIF            |             |
| W-EA-203-HC-01            | END STATION A        | END STATION A   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            | STANDBY     |
| W-EA-203-HC-02            | END STATION A        | END STATION A   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-EA-203-HC-03            | END STATION A        | END STATION A   | VEA                           | 75                    | SCR              | 460/3/60            | 30X36            | CHROMALOX DHIF            |             |
| W-EA-203-HC-04            | END STATION A        | END STATION A   | EXPERIMENT EQUIPMENT          | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-EA-203-HC-05            | END STATION A        | END STATION A   | CLEANING & CHANGE ROOM        | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-EA-203-HC-06            | END STATION A        | END STATION A   | INSPECTION/SHIP/REC.          | 9                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-EA-203-HC-07            | END STATION A        | END STATION A   | MECHANICAL ROOM               | 12                    | 4                | 460/3/60            | 24X18            | CHROMALOX DHIF            |             |
| W-EA-203-HC-08            | END STATION A        | END STATION A   | VACUUM SUPPORT RM.            | 12                    | 2                | 460/3/60            | 18X18            | CHROMALOX DHIF            |             |
| W-MB-203-HC-01            | MID STATION B        | MID STATION B   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            | STANDBY     |
| W-MB-203-HC-02            | MID STATION B        | MID STATION B   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-MB-203-HC-03            | MID STATION B        | MID STATION B   | VEA                           | 75                    | SCR              | 460/3/60            | 30X36            | CHROMALOX DHIF            |             |
| W-MB-203-HC-04            | MID STATION B        | MID STATION B   | EXPERIMENT EQUIPMENT          | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-MB-203-HC-05            | MID STATION B        | MID STATION B   | CLEANING & CHANGE ROOM        | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-MB-203-HC-06            | MID STATION B        | MID STATION B   | INSPECTION/SHIP/REC.          | 9                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-MB-203-HC-07            | MID STATION B        | MID STATION B   | MECHANICAL ROOM               | 12                    | 4                | 460/3/60            | 24X18            | CHROMALOX DHIF            |             |
| W-MB-203-HC-08            | MID STATION B        | MID STATION B   | VACUUM SUPPORT RM.            | 12                    | 2                | 460/3/60            | 18X18            | CHROMALOX DHIF            |             |
| W-EB-203-HC-01            | END STATION B        | END STATION B   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            | STANDBY     |
| W-EB-203-HC-02            | END STATION B        | END STATION B   | OUTSIDE AIR SUPPLY            | 8                     | 2                | 460/3/60            | 18X12            | CHROMALOX DHIF            |             |
| W-EB-203-HC-03            | END STATION B        | END STATION B   | VEA                           | 75                    | SCR              | 460/3/60            | 30X36            | CHROMALOX DHIF            |             |
| W-EB-203-HC-04            | END STATION B        | END STATION B   | EXPERIMENT EQUIPMENT          | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-EB-203-HC-05            | END STATION B        | END STATION B   | CLEANING & CHANGE ROOM        | 6                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-EB-203-HC-06            | END STATION B        | END STATION B   | INSPECTION/SHIP/REC.          | 9                     | 2                | 460/3/60            | 24X12            | CHROMALOX DHIF            |             |
| W-EB-203-HC-07            | END STATION B        | END STATION B   | MECHANICAL ROOM               | 12                    | 4                | 460/3/60            | 24X18            | CHROMALOX DHIF            |             |
| W-EB-203-HC-08            | END STATION B        | END STATION B   | VACUUM SUPPORT RM.            | 12                    | 2                | 460/3/60            | 18X18            | CHROMALOX DHIF            |             |
| W-CS-194-HC-14            | CORNER STN           | MAINTENANCE     | OFFICE                        | 25                    | 4                | 460/3/60            | 12X8             | CHROMALOX DHIF            |             |

**OMIT**

NOTES:  
 1. FOR LEGEND, ABBREVIATIONS AND GENERAL NOTES SEE SHEETS WA-H-001 AND WA-H-002.

**VAV TERMINAL SCHEDULE - SINGLE DUCT**

| SIZE | LOCATION | SERVICE | TYPE                 | INLET SIZE (IN.) | MAX ACFM | MIN ACFM | MAX BOX AIR PD (IN. WG) | HEATING COIL |              |          | MANUFACTURER/ MODEL NO. | REMARKS                      |
|------|----------|---------|----------------------|------------------|----------|----------|-------------------------|--------------|--------------|----------|-------------------------|------------------------------|
|      |          |         |                      |                  |          |          |                         | KW           | NO OF STAGES | V/PH/HZ  |                         |                              |
| 01   | OSB      | OSB     | PRESSURE INDEPENDENT | 4                | 100      | (1)      | 0.15                    | 4            | 2            | 208/1/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 02   | OSB      | OSB     | PRESSURE INDEPENDENT | 5                | 200      | (1)      | 0.20                    | 4            | 2            | 208/1/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 03   | OSB      | OSB     | PRESSURE INDEPENDENT | 6                | 300      | (1)      | 0.30                    | 4            | 2            | 208/1/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 04   | OSB      | OSB     | PRESSURE INDEPENDENT | 7                | 450      | (1)      | 0.30                    | 7.5          | 2            | 208/1/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 05   | OSB      | OSB     | PRESSURE INDEPENDENT | 8                | 600      | (1)      | 0.30                    | 7.5          | 2            | 208/1/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 06   | OSB      | OSB     | PRESSURE INDEPENDENT | 9                | 750      | (1)      | 0.30                    | 13.0         | 2            | 460/3/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 07   | OSB      | OSB     | PRESSURE INDEPENDENT | 10               | 950      | (1)      | 0.30                    | 13.0         | 2            | 460/3/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |
| 08   | OSB      | OSB     | PRESSURE INDEPENDENT | 12               | 1300     | (1)      | 0.30                    | 19.0         | 2            | 460/3/60 | TITUS AESV-3000         | PROVIDED WITH 36" ATTENUATOR |

(1) SEE FLOOR PLANS

**VAV TERMINAL SCHEDULE - DOUBLE DUCT**

| SIZE | LOCATION | SERVICE | TYPE                 | INLET SIZE (IN.) | COLD AJR |          | WARM AJR |          | MAX BOX AIR PD (IN. WG) | MANUFACTURER/ MODEL NO. | REMARKS                      |
|------|----------|---------|----------------------|------------------|----------|----------|----------|----------|-------------------------|-------------------------|------------------------------|
|      |          |         |                      |                  | MAX ACFM | MIN ACFM | MAX ACFM | MIN ACFM |                         |                         |                              |
| 01   | OSB      | OSB     | PRESSURE INDEPENDENT | 4                | 100      | 0        | 100      | 0        | 0.15                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 02   | OSB      | OSB     | PRESSURE INDEPENDENT | 5                | 200      | 0        | 200      | 0        | 0.20                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 03   | OSB      | OSB     | PRESSURE INDEPENDENT | 6                | 300      | 0        | 300      | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 04   | OSB      | OSB     | PRESSURE INDEPENDENT | 7                | 450      | 0        | 450      | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 05   | OSB      | OSB     | PRESSURE INDEPENDENT | 8                | 600      | 0        | 600      | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 06   | OSB      | OSB     | PRESSURE INDEPENDENT | 9                | 750      | 0        | 750      | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 07   | OSB      | OSB     | PRESSURE INDEPENDENT | 10               | 950      | 0        | 950      | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 08   | OSB      | OSB     | PRESSURE INDEPENDENT | 12               | 1300     | 0        | 1300     | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 09   | OSB      | OSB     | PRESSURE INDEPENDENT | 14               | 2200     | 0        | 2200     | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |
| 10   | OSB      | OSB     | PRESSURE INDEPENDENT | 16               | 3400     | 0        | 3400     | 0        | 0.30                    | TITUS EDV-3000          | PROVIDED WITH 36" ATTENUATOR |

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|------------|-----------|----------|-----|------|------|------|---------------------------|
| REFERENCES | REVISIONS | DATE     | BY  | CHKD | ENGR | PROJ | DESCRIPTION               |
|            | B         | 4-19-96  | CLP | ME   | AA   | TDM  | FINAL DESIGN REVIEW & BID |
|            | A         | 10-31-95 | CLP | ME   | AA   | TDM  | PRELIMINARY DESIGN REVIEW |

|          |     |
|----------|-----|
| DRAWN    | CLP |
| CHECKED  |     |
| ENGINEER |     |
| PROJ     |     |

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SCALE: NONE CONTRACT NUMBER: PPI50969 PROJECT NUMBER: 8094

SHEET NUMBER: **WA-H-005**