

one and one half inches = one foot
one inch = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

| ROOM AIR BALANCE SCHEDULE (3 OF 3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|------------------|----------------------|---------------|------------------------------|---------------|-------|------------------|-----------------|------------|---------------|-------|------------------|-----------------|------------|---------------|-------|------------------|-----------------|-------------|-----|---------------|-----|------------------|------------------|-----|------------------|-----|---------|------|-----|------|--|
| ROOM NO | ROOM NAME | AIR HANDLING UNIT NO | TERMINAL UNIT | INDIVIDUAL ROOM TEMP CONTROL | OUTSIDE | | | | SUPPLY | | | | RETURN | | | | EXHAUST | | | | ROOM AIR FLOW | | ROOM AIR BALANCE | NET INFILTRATION | | NET EXFILTRATION | | REMARKS | | | | |
| | | | | | ROOM AIR FLOW | | # OF AIR DEVICES | AIR DEVICE MARK | SUPPLY FAN | ROOM AIR FLOW | | # OF AIR DEVICES | AIR DEVICE MARK | SUPPLY FAN | ROOM AIR FLOW | | # OF AIR DEVICES | AIR DEVICE MARK | EXHAUST FAN | CFM | L/S | CFM | | [L/s] | CFM | [L/s] | | | | | | |
| | | | | | CFM | L/S | | | | CFM | L/S | | | | CFM | L/S | | | | | | | | | | | CFM | | L/S | CV | VAV | |
| 236 | PT ROOM | 513-AHU1 | 513-FCU-2-14 | Y | 90 | [42] | 1 | SD-11 | 513-SF1 | 170 | [80] | 1 | SD-13 | - | 170 | [80] | 1 | RG-24 | - | 0 | [] | N/A | N/A | 513-EF1 | | X | + | 0 | [] | 90 | [42] | ----- |
| 237 | TOILET | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 90 | [42] | 1 | RG-21 | 513-EF1 | X | | - | 90 | [42] | 0 | [] | ----- |
| 238 | LAUNDRY | 513-AHU1 | 513-FCU-2-25 | Y | 0 | [] | N/A | N/A | 513-SF1 | 120 | [57] | 1 | SD-11 | - | 120 | [57] | 1 | RG-21 | - | 120 | [57] | 1 | RG-21 | 513-EF1 | | X | - | 120 | [57] | 0 | [] | 120 FROM CORRIDOR 257 |
| 239 | CLEAN LINEN | 513-AHU1 | N/A | N | 50 | [24] | 1 | SD-11 | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | 0 | 0 | [] | 50 | [24] | 50 TO CORRIDOR 257 |
| 240 | CORRIDOR | 513-AHU1 | N/A | N | 205 | [97] | 1 | SD-12 | 513-SF1 | 65 | N/A | N/A | N/A | - | 65 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | + | 0 | [] | 205 | [97] | 80 TO SOILED UTIL 242; 50 TO HAC 241; 75 TO STAFF TOILET 243 |
| 241 | HAC | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 50 | [24] | 1 | RG-21 | 513-EF1 | X | | - | 50 | [24] | 0 | [] | 50 FROM CORRIDOR 240 |
| 242 | SOILED UTILITY | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 80 | [38] | 1 | RG-21 | 513-EF1 | X | | - | 80 | [38] | 0 | [] | 80 FROM CORRIDOR 240 |
| 243 | STAFF TOILET | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 75 | [35] | 1 | RG-21 | 513-EF1 | X | | - | 75 | [35] | 0 | [] | 75 FROM CORRIDOR 240 |
| 244 | MED SUPPLY | 513-AHU1 | N/A | N | 50 | [24] | 1 | SD-11 | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | - | 0 | [] | 50 | [24] | 50 TO CORRIDOR 257 |
| 245 | OXYGEN STORAGE | 513-AHU1 | N/A | N | 50 | [24] | 1 | SD-11 | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | + | 0 | [] | 50 | [24] | 50 TO CORRIDOR 256 |
| 246 | COMM CLOSET | 513-AHU1 | 513-ACU-2-1 | Y | 0 | [] | N/A | N/A | 513-SF1 | 290 | [140] | N/A | N/A | - | 290 | [140] | N/A | N/A | - | 50 | [24] | 1 | RR-56 | 513-EF1 | X | | + | 0 | [] | 50 | [24] | 50 FROM CORRIDOR 256 |
| 247 | INTERDISC OFFICE | 513-AHU1 | 513-FCU-2-15 | Y | 50 | [24] | 1 | SD-11 | 513-SF1 | 175 | [83] | N/A | N/A | - | 175 | [83] | N/A | N/A | - | 50 | [24] | 1 | RG-21 | 513-EF1 | | X | 0 | 0 | [] | 0 | [] | ----- |
| 248 | BIOMED | 513-AHU1 | 513-ACU-2-2 | Y | 50 | [24] | 1 | SD-51 | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | + | 0 | [] | 50 | [24] | 50 TO CORRIDOR 263 |
| 249 | RECYC / TRASH | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 135 | [64] | 1 | RG-62 | 513-EF1 | X | | - | 135 | [64] | 0 | [] | 135 FROM CORRIDOR 256 |
| 250 | ELEC ROOM | 513-AHU1 | N/A | N | 50 | [24] | 1 | SD-51 | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | 0 | 0 | [] | 50 | [24] | 50 TO CORRIDOR 263 |
| 253 | OFFICE | 513-AHU1 | 513-FCU-2-16 | Y | 50 | [24] | 1 | SD-11 | 513-SF1 | 335 | [160] | - | - | - | 335 | [160] | - | - | - | 45 | [21] | 1 | RG-21 | 513-EF1 | | X | 0 | 0 | [] | 5 | [2] | ----- |
| 255 | PANTRY | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 50 | [24] | 1 | RG-21 | 513-EF1 | X | | + | 0 | [] | 50 | [24] | 50 FROM KITCHEN/SERVERY 231 |
| 256 | CORRIDOR | 513-AHU1 | 513-FCU-2-26 | Y | 100 | [47] | 1 | SD-12 | 513-SF1 | 820 | [390] | 3 | SD-13 | | 820 | [390] | 3 | RG-24 | | 0 | [] | N/A | N/A | 513-EF1 | X | | - | 100 | [47] | 185 | [87] | 50 FROM OXYGEN STOR 245; 50 FROM ELEV VEST 261; 50 TO COMM CLO 246; 135 TO RECYC/TRASH 249 |
| 257 | CORRIDOR | 513-AHU1 | 513-FCU-2-17 | Y | 50 | [24] | 1 | SD-13 | 513-SF1 | 365 | [170] | 1 | SD-13 | - | 365 | [170] | 1 | RG-24 | - | 0 | [] | N/A | N/A | 513-EF1 | X | | + | 100 | [47] | 120 | [57] | 50 FROM MED SUPPLY 244; 50 FROM CLEAN LINEN 239; 120 TO LAUNDRY 238 |
| 258 | CORRIDOR | 513-AHU1 | N/A | N | 185 | [87] | 1 | SD-12 | 513-SF1 | 380 | N/A | N/A | N/A | - | 380 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | + | 0 | [] | 185 | [87] | 85 TO TOILET 226; 100 TO BATHING SUITE 202 |
| 259 | CORRIDOR | 513-AHU1 | N/A | N | 100 | [47] | 1 | SD-12 | 513-SF1 | 325 | N/A | N/A | N/A | - | 325 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | X | | 0 | 50 | [24] | 50 | [24] | 50 FROM EQUIPSTOR 224; 50 TO MED RM 223 |
| 260 | ALCOVE | 513-AHU1 | N/A | N | 50 | [24] | 1 | SD-11 | 513-SF1 | 120 | N/A | N/A | N/A | - | 120 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | | X | 0 | 0 | [] | 50 | [24] | ----- |
| 261 | ELEV VESTIBULE | 513-AHU1 | 513-FCU-2-27 | Y | 50 | [24] | 1 | SD-11 | 513-SF1 | 180 | [85] | 1 | SD-13 | - | 180 | [85] | 1 | SD-13 | - | 0 | [] | N/A | N/A | 513-EF1 | | X | 0 | 0 | [] | 50 | [24] | 50 TO CORRIDOR 256 |
| 262 | EDUCATION ROOM | 513-AHU1 | 513-FCU-2-24 | Y | 75 | [35] | 1 | SD-11 | 513-SF1 | 495 | [230] | N/A | N/A | - | 495 | [230] | N/A | N/A | - | 75 | [35] | 1 | RG-21 | 513-EF1 | | | 0 | 0 | [] | 0 | [] | ----- |
| 263 | SERVICE CORRIDOR | 513-AHU1 | 513-FCU-2-22 | Y | 195 | [92] | 2 | SD-52 | 513-ERV1 | 1470 | [690] | 4 | SD-13 | - | 1470 | [690] | 4 | RG-24 | - | 185 | [87] | 2 | RR-56 | 513-ERV1 | X | | + | 0 | [] | 110 | [52] | 50 TO MULE STORAGE 265; 50 TO MULE STORAGE 266 |
| 264 | PUBLIC CORRIDOR | 513-AHU1 | 513-FCU-2-23 | Y | 270 | [130] | 2 | SD-12 | 513-ERV2 | 1790 | [840] | 4 | SD-13 | - | 1790 | [840] | 4 | RG-24 | - | 260 | [120] | 2 | RG-22 | 513-ERV2 | | X | 0 | 0 | [] | 10 | [5] | ----- |
| 265 | MULE STORAGE | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | - | X | | - | 50 | [24] | 0 | [] | 50 FROM SERVICE CORRIDOR 263 |
| 266 | MULE STORAGE | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | - | X | | - | 50 | [24] | 0 | [] | 50 FROM SERVICE CORRIDOR 263 |
| 267 | RECEIVING | 513-AHU1 | 513-AC-2-1 | Y | 50 | [24] | 1 | SD-51 | - | 135 | [64] | | | - | 135 | [64] | | | - | 0 | [] | N/A | N/A | - | X | | 0 | 0 | [] | 50 | [24] | PRESSURIZED |
| 268 | CLOSET | 513-AHU1 | N/A | N | 0 | [] | N/A | N/A | 513-SF1 | 0 | N/A | N/A | N/A | - | 0 | N/A | N/A | N/A | - | 0 | [] | N/A | N/A | 513-EF1 | | X | 0 | 0 | [] | 0 | [] | ----- |
| NOTE ROOMS OR AREAS DO NOT HAVE INDIVIDUAL HUMIDITY CONTROL UNLESS NOTED. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| SILENCER SCHEDULE | | | | | | | | | | | | | | | | | | | | |
|-------------------|----------------|-------------------------|---------------------------|------------|--------|--------|-------|--------|-----------|--------|-------|---|-----|-----|-----|------|------|------|------|------------------------------------|
| MARK | LOCATION | AREA AND/OR BLDG SERVED | TYPE | DIMENSIONS | | | | | | | | DYNAMIC INSERTION LOSS DB OCTAVE BAND AND MID-FREQUENCY [CPS] | | | | | | | | REMARKS |
| | | | | LENGTH | | WIDTH | | INLET | | OUTLET | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | |
| | | | | INCHES | MM | INCHES | MM | INCHES | MM | INCHES | MM | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| 513-SIL1 | GENERATOR ROOM | 513 | EXTREME APPLICATION GRADE | 74 | [1900] | 14 | [350] | 6 | (2) [200] | 6 | [150] | 35 | 45 | 56 | 57 | 56 | 55 | 54 | 54 | BASIS OF DESIGN IS GTE 501-C2-7106 |

| FUEL OIL PUMP SCHEDULE | | | | | | | | | | | |
|------------------------|---------------------------|-------------------------|---------------|----------|--------|----------------|--------|-------|---------|------|--|
| MARK | LOCATION | AREA AND/OR BLDG SERVED | TYPE | CAPACITY | | DISCHARGE HEAD | | MOTOR | | | REMARKS |
| | | | | GPM | LPM | FT | M | HP | V/PH/Hz | RPM | |
| 513-FOP-1A | ABOVE GROUND STORAGE TANK | 513 | SUBMERSIBLE | 10 | [38] | 78 | [23] | 1/3 | 115/160 | 3450 | BASIS OF DESIGN IS FRANKLIN FUELING SYS. STP33-VL2 |
| 513-FOP-1B | ABOVE GROUND STORAGE TANK | 513 | SUBMERSIBLE | 10 | [38] | 78 | [23] | 1/3 | 115/160 | 3450 | BASIS OF DESIGN IS FRANKLIN FUELING SYS. STP33-VL2 |
| 513-FOP-2A | FUEL OIL TANK | 513 | EXTERNAL GEAR | 10 | [38] | 135 | [41] | 3/4 | 115/160 | 1750 | FACTORY-MOUNTED ON 513-FOT-1 |
| 513-FOP-2B | FUEL OIL TANK | 513 | EXTERNAL GEAR | 10 | [38] | 135 | [41] | 3/4 | 115/160 | 1750 | FACTORY-MOUNTED ON 513-FOT-1 |

| FUEL OIL TANK SCHEDULE | | | | | | |
|------------------------|----------------|-------------------------|---------------------------|--------|---------|--|
| MARK | LOCATION | AREA AND/OR BLDG SERVED | TYPE | VOLUME | | REMARKS |
| | | | | GAL | L | |
| 513-FOT1 | GENERATOR ROOM | 513 | FILTER DAY TANK | 200 | [760] | BASIS OF DESIGN IS SIMPLEX/SRS-200 PT, PROVIDE MANUFACTUERER INSTALLED DUPLEX PUMPS AND FUEL OIL FILTER CABINET. |
| 513-FOT2 | SITE | 513 | ABOVE GROUND STORAGE TANK | 5200 | [20000] | BASIS OF DESIGN IS CONVAULT 5200 HP ABOVE GROUND FUEL OIL TANK. DIMENSIONS ARE 15'6" L X 8'0" W X 8'9" H. |

| | | | | | | | | | |
|------------|------|----------------------------------|--|--|----------------------------|------------------------|-----------------|--|---------|
| | | ARCHITECT: | | ENGINEERS: | Drawing Title | Project Title | Project Number | Office of Construction and Facilities Management | |
| | | C.C. HODGSON ARCHITECTURAL GROUP | | Westlake Reed Leskosky 1634 EYE ST, NW, STE 900 WASHINGTON, DC 20006 | MECHANICAL SCHEDULES | RELOCATE DEMENTIA UNIT | VA PN 613-207 | | |
| | | | | | | | Building Number | | |
| | | | | | | | 513 | | |
| | | | | | Approved: Project Director | Location | Drawing Number | | |
| | | | | | | YAMC MARTINSBURG | M-703 | | |
| Revisions: | Date | | | | | Date | Checked | Drawn | Dwg. of |
| | | | | | | 08/06/2012 | SCS | CJW | -- |