



Date

| | Initials | Date |
|------------------------|----------|------|
| Director | | |
| Associate Director | | |
| Chief of Staff | | |
| Chief of Services | | |
| Chief of Engineering | | |
| Chief, Project Section | | |
| | | |

Approved: Service Director

Dwg. - Of

Veterans Administration

| GRILL AND DIFFUSER SCHEDULE | | | | SEE SPEC SECTION 233000 | | | | | |
|-----------------------------|--------------------------------|-----------------|----------------|------------------------------|------------------------------|-----------|------------------|---------------|------------------------------|
| ITEM | MANUFACTURER & MODEL NO. | TYPE | FRAME STYLE | FACE DIMENSIONS (INCH) | NICK DIMENSIONS (INCH) | CFM RANGE | T.P. (IN.W.G) | MAXIMUM NC | NOTES |
| A | KREU/GR 1400-23 | SUPPLY DIFFUSER | LA-YAN CEILING | 24X24 | 6 | 91-130 | 0.02-0.06 | 24 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-23 | SUPPLY DIFFUSER | LA-YAN CEILING | 24X24 | 8 | 131-210 | 0.02-0.06 | 28 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-23 | SUPPLY DIFFUSER | LA-YAN CEILING | 24X24 | 10 | 211-320 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-23 | SUPPLY DIFFUSER | LA-YAN CEILING | 24X24 | 12 | 321-430 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-23 | SUPPLY DIFFUSER | LA-YAN CEILING | 24X24 | 14 | 421-530 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-23 | SUPPLY DIFFUSER | LA-YAN CEILING | 24X24 | 15 | 531-630 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| B | KREU/GR 1400-20 | SUPPLY DIFFUSER | FIXED CEILING | 24X24 | 6 | 91-130 | 0.02-0.06 | 24 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-20 | SUPPLY DIFFUSER | FIXED CEILING | 24X24 | 8 | 131-210 | 0.02-0.06 | 28 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-20 | SUPPLY DIFFUSER | FIXED CEILING | 24X24 | 10 | 211-320 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/GR 1400-20 | SUPPLY DIFFUSER | FIXED CEILING | 24X24 | 12 | 321-420 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| E | KREU/GR 1400-20 | SUPPLY DIFFUSER | FIXED CEILING | 24X24 | 14 | 421-530 | 0.04-0.06 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/EGG-5-23 | EXHAUST GRILLE | LA-YAN CEILING | 12X12 | 10X10 | 26-385 | 0.01-0.08 | 25 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/EGG-5-23 | EXHAUST GRILLE | LA-YAN CEILING | 12X24 | 10X22 | 286-600 | 0.01-0.08 | 25 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/EGG-5-23 | EXHAUST GRILLE | LA-YAN CEILING | 24X24 | 22X22 | 601-1300 | 0.01-0.07 | 30 | PROVIDE OPPOSED BLADE DAMPER |
| F | KREU/EGG-5 | EXHAUST GRILLE | FIXED CEILING | 12X12 | 10X10 | 20-285 | 0.01-0.08 | 25 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/EGG-5 | EXHAUST GRILLE | FIXED CEILING | 12X24 | 10X22 | 286-600 | 0.01-0.08 | 25 | PROVIDE OPPOSED BLADE DAMPER |
| | KREU/EGG-5 | EXHAUST GRILLE | FIXED CEILING | 24X24 | 22X22 | 601-1300 | 0.01-0.07 | 30 | PROVIDE OPPOSED BLADE DAMPER |

| DESIGN CONDITIONS | SUMMER | | | | | WINTER | | | | | LOWEST AVERAGE ANNUAL | |
|-------------------------------|--------|-------|----------|------|----------|--------|-------|----------|------|----------|-----------------------|----|
| | TEMP | | WET BULB | TEMP | HUMIDITY | TEMP | | DEWPOINT | TEMP | HUMIDITY | °F | °C |
| | °F | °C | °F | °C | % | °F | °C | °F | °C | % | | |
| OUTDOOR DESIGN CONDITIONS | 98 | 36 | 67 | 19 | 53 | 6 | -14 | 0 | -18 | NA | | |
| INDOOR AREA DESIGN CONDITIONS | | | | | | | | | | | | |
| 4245 TOILET | 77 | 25 | - | - | 50 | 72 | 22 | - | - | NA | | |
| 4247 CLEAN STORAGE ROOM | 73 | 23 | - | - | 55 | 68 | 20 | - | - | 35 | | |
| 4248A WAITING ROOM | 75 | 24 | - | - | 50 | 70 | 21 | - | - | 30 | | |
| 4248B FAMILY ROOM | 75 | 24 | - | - | 50 | 70 | 21 | - | - | 30 | | |
| 4249 MEDS ROOM | 75 | 24 | - | - | 50 | 70 | 21 | - | - | 30 | | |
| 4250 EQUIPMENT ROOM | 73 | 23 | - | - | 55 | 68 | 20 | - | - | 35 | | |
| 4251 PROCEDURE ROOM | 70-75 | 21-24 | - | - | 30-50 | 70-75 | 21-24 | - | - | 30-50 | | |

| AIR TERMINAL UNIT SIZING SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|-----------------------|-------|-----------------------|-------|-----------------|------|---------|--|------|--------------|----|----|----|----|------------------------|-----|-----|------|-----|------|-----|-------|----|-------|---------|------------------|---------|----|------|
| SIZE | MIN ALLOWABLE AIRFLOW | | MAX ALLOWABLE AIRFLOW | | DUCT INLET SIZE | | MAX APD | MAXIMUM SOUND POWER LEVEL (R _e 10 ⁻¹² WATTS) FOR | | | | | | | HOT WATER HEATING COIL | | | | | | | | | | REMARKS | | | | |
| | CFM | [L/s] | CFM | [L/s] | IN | [mm] | | IN WG | [Pa] | OCTAVE BANDS | | | | | | | EAT | [°C] | °F | [°C] | GPM | [L/M] | FT | [kPa] | | PIPE RUNOUT SIZE | | | |
| | | | | | | | | | | 2 | 3 | 4 | 5 | 6 | 7 | EWT | | | | | | | | | | FLOW | MAX WPD | IN | [mm] |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | 60 | 28 | 170 | 80 | 4 | 100 | 0.4 | 100 | 89 | 66 | 58 | 52 | 51 | 47 | 55 | 13 | 140 | 80 | 5 | 1.9 | 3 | 9 | 75 | 19 | ----- | | | | |
| B | 90 | 42 | 260 | 120 | 5 | 130 | 0.4 | 100 | 89 | 63 | 59 | 52 | 51 | 47 | 55 | 13 | 140 | 80 | 5 | 1.9 | 3 | 9 | 75 | 19 | ----- | | | | |
| C | 130 | 61 | 380 | 180 | 6 | 160 | 0.4 | 100 | 89 | 67 | 61 | 56 | 52 | 49 | 55 | 13 | 140 | 80 | 7 | 2.7 | 4 | 12 | 75 | 19 | ----- | | | | |
| D | 180 | 76 | 490 | 230 | 7 | 180 | 0.4 | 100 | 70 | 68 | 63 | 57 | 53 | 49 | 55 | 13 | 140 | 80 | 7 | 2.7 | 4 | 12 | 75 | 19 | ----- | | | | |
| E | 230 | 110 | 680 | 320 | 8 | 200 | 0.4 | 100 | 71 | 68 | 59 | 53 | 51 | 47 | 55 | 13 | 140 | 80 | 1 | 3.8 | 3 | 9 | 75 | 19 | ----- | | | | |
| F | 270 | 130 | 790 | 370 | 9 | 230 | 0.4 | 100 | 71 | 69 | 60 | 54 | 51 | 47 | 55 | 13 | 140 | 80 | 1.5 | 5.7 | 4 | 12 | 75 | 19 | ----- | | | | |
| G | 350 | 170 | 1050 | 500 | 10 | 260 | 0.4 | 100 | 74 | 68 | 61 | 57 | 54 | 52 | 55 | 13 | 140 | 80 | 1.5 | 5.7 | 4 | 12 | 75 | 19 | ----- | | | | |
| H | 500 | 240 | 1500 | 710 | 12 | 300 | 0.4 | 100 | 73 | 69 | 64 | 59 | 57 | 53 | 55 | 13 | 140 | 80 | 2.5 | 9.5 | 3 | 9 | 75 | 19 | ----- | | | | |
| I | 750 | 350 | 2250 | 1100 | 14 | 350 | 0.4 | 100 | 73 | 68 | 65 | 61 | 61 | 59 | 55 | 13 | 140 | 80 | 3.5 | 13 | 4 | 12 | 75 | 19 | ----- | | | | |
| J | 1000 | 470 | 3000 | 1400 | 16 | 400 | 0.4 | 100 | 73 | 68 | 66 | 60 | 58 | 55 | 55 | 13 | 140 | 80 | 4.5 | 17 | 4 | 12 | 1 | 25 | ----- | | | | |

| SINGLE DUCT AIR TERMINAL UNIT SCHEDULE | | | | | | | | | | | | | |
|--|-------------------------|------------------|----------------|------|---------|------|------|------|------------------------------|--------------|-------------------|----------------------------------|---------|
| MARK | LOCATION | AREA AND/OR BLDG | SYSTEM SERVICE | SIZE | AIRFLOW | | | | ADDITIONAL SOUND ATTENUATION | CONTROL TYPE | CONTROL SEQUENCE | PERIMETER SUPPLEMENTAL HEAT LINK | REMARKS |
| | | | | | CMX | | MIN | | | | | | |
| | | | | | [Ft] | [In] | [Ft] | [In] | | | | | |
| 28-TU-1 | 4261 PROCEDURE ROOM | 28 | 28-AHU-3 | G | 290 | 140 | 290 | 140 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |
| 28-TU-2 | 4260 EQUIPMENT ROOM | 28 | 28-AHU-3 | B | 50 | 24 | 50 | 24 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |
| 28-TU-3 | 4248B FAMILY ROOM | 28 | 28-AHU-3 | E | 170 | 80 | 170 | 80 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |
| 28-TU-4 | 4247 CLEAN STORAGE ROOM | 28 | 28-AHU-3 | E | 130 | 61 | 130 | 61 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |
| 28-TU-5 | 4249 MEDS ROOM | 28 | 28-AHU-3 | B | 70 | 33 | 70 | 33 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |
| 28-TU-6 | 4246 TOILET | 28 | 28-AHU-3 | B | 85 | 40 | 85 | 40 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |
| 28-TU-7 | 4248A WAITING ROOM | 28 | 28-AHU-3 | I | 500 | 240 | 500 | 240 | NA | CV | 5 DEGREE DEADBAND | NA | ---- |

[illegible][illegible]

PROVIDE AIRFLOW DIRECTION INC. ADI-69-V-N VISUAL ONLY,
NEGATIVE ROOM APPLICATION, MONITOR. NON-POWERED WITH
A THRU THE WALL CLEAR POLYCARBONATE TUBE AND RED
BALL INDICATOR. WITH INSTALLATION HARDWARE AND WALL SIGN
OR LABEL.