## MECHANICAL GENERAL NOTES：


























amvos are cener






















29．Mep conractor stal verf the presice of Exing covout









##   






9．THIS Contractor Stall be Responsble for the Strartu of all




 2．AL Eaviment souno levels shall not exceed so ob at properer






|  | ACCESS Door | $n$ | butreri vave |  |
| :---: | :---: | :---: | :---: | :---: |
| af． | F．Abovere fnsheo floor | $\cdots \infty$ | gloge value | Prexile ouct comectow |
| ${ }_{\text {вas }}$ | builong automaton sstem |  | gate vave |  |
| внР | ввake hoosfeover | $\longrightarrow-$ | check vave |  |
| ${ }^{\text {в0 }}$ | вotom of pipe | O |  |  |
| ${ }_{\text {ви }}$ | berish thermal unt | ＊ | 3 war conreol vave | ¢ MOTOR OPEEALED DAMPER |
| вти | H brish hermal unt per hour | —— | 2 way controu vave | \％ |
| c | cooung coll | $\square$ | CIRCUIT BALANCING VALVE W／BALANCING PORTS <br> （ 8 ＂AND UNDER）CIRCUIT FLOW INDICATOR W／BALANCING | ¢＿verical fre dmmer with Access ooor |
| cfm | Cuicic fet per mmut |  | （eand |  |
| CHW | vi chlleg water revien | 品 | SOLENOID VALVE | －ar fiom |
| CHMS | CHILED MAER SUPPPY DRAN INE | 品 | PRESSURE REDUCING VALVE | $12 \times 24$ OUCT STEE PREE AREA |
| ${ }^{\text {ов }}$ | dory bub | $-\infty$ | Pugu valve（asis cock） |  |
| ${ }^{\text {on }}$ | oomv | $\Longrightarrow P^{n}$ | PRESSURE RELIEF VALVE（PIPE TO FLOOR DRAIN） | $\triangle$ cross Seciol of Supar or |
| （E） | Exsing | $-{ }^{10}$ | oran vale wit hose theaded ourlet | OUSIDE AR ATNAKE Duct |
| ${ }_{\text {eat }}$ | Enteng ar funfeatur | $=$ | AUTOMATIC BALL OR BUTTERFLY VALVE <br> PIPE UNION（OR FLANGES IF $21 / 2^{\prime \prime}$ OR LARGER PIPE） | $\square$ cross－sectow of retunn ouct |
| ${ }^{\text {s5P }}$ | EXHAUST FAN |  |  |  |
| ${ }_{\text {ESP }}$ | entenng watr tewerautie | - 四 | STEAM TRAP ASSEvel | Cross－SECTON Of ExHAUST Ouct |
| $\stackrel{ }{\text { F }}$ | FAHReneit | $\mathrm{t}_{18}$ | PRESSURE SWITCH（WITH THREAD OR WELD－0－LET） pressure gauge and needle valve |  |
| ${ }_{\text {fpM }}$ | ${ }_{\text {Fins }}$ PER foot | $\mathrm{p}_{\text {fs }}$ | flow surich（WIH HheGa or wiloo－－EE） |  |
| fPM | FEET PER MINUTE <br> FACE VELOCTIT | 4 | therwowetr（wit Pee wel） | In ${ }^{90}$ Eloow with tranng vanes |
| c | OEneral conractior |  | THERMOMETER WELL | $\qquad$ $90^{\circ}$ BRANCH TAKE－OFF W／45 DEGREE ENTRY |
| ${ }_{\text {¢P }}^{\text {¢P }}$ | Comlons per minte Horspowier | P | pressure well wit doc sensor |  |
| ${ }_{\text {Hma }}$ | HOT WATER COIL | T | PRESSURE／TEMEEATVE PUUG wTH CAP |  |
| ${ }_{\text {Hwn }}$ | hot water eturn | ＇ | Straner | $\qquad$ SOAARE OR RCCHNCLE DUCT TRANSTON |
| Hws | hot water supply | $\stackrel{1}{8}$ | Straner wir blowoown vave |  |
| ${ }^{\text {at }}$ | Leammg Ar terexatre |  | REFRIGERANT EXPANSION VALVE DRECTION OF FLOW | Suuar or recincle to round duct transion |
| ${ }^{\text {Lur }}$ | Leanc watre teweratine | － | prich of Pre（oomm） | OF Moneo extuus |
| wor | MAXIMUM OVERCURRENT PROTECTION | －m | pre Eliouv（tunedo up） | OR VEILIAOR |
| NK | neck | $\longrightarrow$ | Ppe Eliou（tuned oomm） | （xxX－1 Eaumeert Tag |
| ${ }^{\text {PCR }}$ | punmed convenatiz return |  | Pre tee down（0ROP） | （1）wall thernostat or tenceature senor |
| po | Pressure drop |  | Ppet tee up | （9）Well |
| PH | Phase | $\uparrow$ | Ppet te up or ancle | （－1）wall humostait |
| PHC | Preheat coul | \％${ }_{\text {¢ }}^{\text {？}}$ | ppe tee oown or ancle | $\varnothing$ Rouno |
| s | pounos Per sumare MCH |  | NeV Cownectow | －－－Ppma，ouctroak，or Euurment to be rewoved |
| prem | Regoutons Per Minte | －hus | hot watr supil | ©SO Dout suoke diteror |
| ${ }^{\text {RUU }}$ | Roomop unt | －нwе | hot water reurn | LIMIT OF DEMOLITION |
| sF | Supply fan | －Mps | HIH Pressure steam supaly | －${ }^{\text {a }}$ |
| sp | Statc presure | HPR | Hich pressure conoensate return | －connect to exsing |
| ${ }_{\text {c }}$ | temereature conrrol | －${ }^{\text {es }}$－ | Low pressure sieam（up to 15 Psig） | －Regsitr／Grall／Diffuser mpe |
| ${ }_{\text {TSP }}$ | Total statc presure | － Pr $^{\text {－}}$ | Low Pressure convensati（up To 15 Psic） | convectoo ste |
| Tp． | тrecal | －pcr－ | puneeo conoensat return |  |
| vo | voume damper | －ro－ | vacuum conoensate |  |
| y＝0 | varabie freuencr prye | －0－ | dran ine |  |
| vв | wet вulb | －CHws | CHILED water supply |  |
| ข．c． | water coumm | －CHwr | chileo water return |  |
| w6 | mater caue |  |  |  |

ARCHITECT＋ENGINEERS：






# COMPUTER ROOM AIR CONDITION UNIT SCHEDULE <br>  <br>  





| VAV BOX SCHEDULE |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ${ }_{\text {tag }}$ | room served | $\underset{\substack{\text { MLEE } \\ \text { SLE }}}{ }$ | NLET ARTLOW |  |  | manvacturer | моеп | notes |
|  |  |  |  | MINMUM | $\prod_{\text {ARFLLOW }}^{m A X}$ |  |  |  |
| VaVVC1061A |  | 6 | 0.75 | ${ }_{150}$ | ${ }_{150}$ | Tuvs | desv | 1 ANO 2 |
| NOTES <br> 1. NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5 " INLET STATIC PRESSURE WHEN TESTED PER ARI STANDARD 885-98 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE 2. SEE DRAWINGS FOR MECHANICAL SCHEMATIC CONTROL AND SEQUENCES. |  |  |  |  |  |  |  |  |


| DIFFUSER, REGISTER, AND GRILLE SCHEDULE |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REF | tye | materal | mountmg |  | $\begin{gathered} \text { NECK} \\ \substack{\text { inc } \\ (\mathrm{in}} \end{gathered}$ | damper | fist | $\begin{aligned} & \text { MODEL } \\ & \text { (TITUS) } \end{aligned}$ | Note |
| s1 | Lover face | steel | Lax_ | see ows | ${ }^{24 \times 24}$ | Nowe | WHTE | Tmsa | 1 |
| s2 | DOUBLE | steel | Lay-N | sebows | seb ows | nowe | WHTE | ${ }^{3008 L}$ | 1 |
| ${ }_{\square}{ }^{\text {¢ }}$ | 35 ¢егLECTON | steel | Lax.N | see ows | sebows | Nove | WHIE | 350гL | 1 |



|  | Project Title <br> VA - HINES, CONSOLIDATED MAIL OUTPATIENT PHARMACY NEW SERVER ROOM |  |  |
| :---: | :---: | :---: | :---: |
| Apposed Proeect Dieceler |  |  |  |
|  | 05/05/2077 | cheaded sat | $\begin{aligned} & \text { Dram } \\ & \text { wuk } \end{aligned}$ |



