GENERAL NOTES:
1. ALL PIPING IN FIRST FLOOR CEILING, NOT IN A CONDITIONED PLENUM, SHALL BE TIGHTLY RAPPED IN 2" OF INSULATION WITH PVC COVER. INSULATION SHALL BE SEALED TIGHT TO STRUCTURE WHERE PIPING PENETRATES FLOOR ABOVE.

KEYED NOTES:
1. SEE ISOMETRIC 1/A-P903 FOR CONTINUATION.
2. SEE DETAIL 5/A-P502.
3. SEE ISOMETRIC 7/A-P905 FOR CONTINUATION.
4. SEE ISOMETRIC 8/A-P905 FOR CONTINUATION.
5. SEE ISOMETRIC 3/A-P903 FOR CONTINUATION.

ALL PIPING IN FIRST FLOOR CEILING, NOT IN A CONDITIONED PLENUM, SHALL BE TIGHTLY RAPPED IN 2" OF INSULATION WITH PVC COVER. INSULATION SHALL BE SEALED TIGHT TO STRUCTURE WHERE PIPING PENETRATES FLOOR ABOVE.
KEYED NOTES:

1. FOURTH FLOOR RESTROOM PIPING PER DETAIL 5, SHEET A-P402. ALL OTHER PIPING SHOWN IS IN 4TH FLOOR CEILING AND IS IN ADDITION TO RESTROOM PIPING.

2. 1-1/2" CONDENSATE DRAIN FROM ELECTRICAL ROOM COOLING UNITS DOWN.
4" SALT SILO FILL
16 TON SALT SILO
BRINE PUMP PAD AND PUMP HOUSE
SALT SILO PAD, 11-1/2" ABOVE GRADE
2" CW, SALT SILO FILL
2" RPBFP
SEE DETAIL 4
SHEET A-P501
BALANCING VALVE
SET TO 15 GPM
2" RPBFP
BALANCING VALVE
SET TO 15 GPM
2" RPBFP
SEE DETAIL 4
SHEET A-P501
2" V
MP-R1-1
2" BRINE
4" SILO DRAIN
6" HD-2
TO
4" SS
1-1/2" MAKE-UP WATER TO COOLING TOWER
SEE MECH PLANS FOR COOLING TOWER CONNECTIONS.
4" SS, BRINE DRAIN TO SS MAIN
2" BR TO ATC
2" CW MAIN
2" CW FROM ATC
PUMP PAD
2" VENT
SALT SILO PAD
4" SS UP TO 6" HD-2
1-1/2" MAKE-UP WATER TO COOLING TOWER
PLUMBING FIXTURE SCHEDULE

MARK | FIXTURE MAKE | MODEL | DESCRIPTION
--- | --- | --- | ---
IODA | TOILET FLUSH VALVE | SLOAN OPTIMA 140-1.6 WB ES-S | 1.6 GPF, 1" SUPPLY CONNECTION, 1-1/2" BACK SPUD CONNECTION, HARD WIRED EL-154 TRANSFORMER

ODR. | WATER CLOSET, WALL MOUNTED (ADA) AMERICAN STANDAR D AFWALL ELONGATED WALL HUNG | 1.6 GPF, 1-1/2" BACK SPUD | VITREOUS CHINA, ELONGATED RIM, TOILET, WHITE OPEN FRONT SEAT, MOUNT RIM 17" AFF

--- | TOILET FLUSH VALVE | SLOAN OPTIMA 140-1.6 WB ES-S | 1.6 GPF, 1" SUPPLY CONNECTION, 1-1/2" BACK SPUD CONNECTION, HARD WIRED EL-154 TRANSFORMER

--- | LAVATORY, WALL HUNG AMERICAN STANDARD LUCERNE 0356 | .041 20"x18", WALL HUNG, VITREOUS CHINA, FRONT OVERFLOW, SINGLE HOLE ONLY, MOUNT RIM AT 34" A.F.F.

--- | BREAK ROOM SINK | ELKAY LR1919 | 19.5"x19", 16"x13.5"x7.5" BOWL, 18 GAUGE STAINLESS STEEL, SINGLE BOWL, SELF-RIMMING COUNTER MOUNT SINK, SINGLE HOLD DRILLING CONFIGURATION

--- | BREAK ROOM SINK FAUCET | DELTA 29C2101 | 8" SINGLE HOLD MOUNT SINGLE CONTROL DECKMOUNT SINK FAUCET, 1.5 GPM AERATOR, CHROME PLATED CAST BRASS BODY

--- | JANITOR'S ROOM MOP SINK | MUSTEE 65M | 24"x36"x10", FLOOR MOUNTED MOP SINK, "DURASTONE" BUMPER GUARDS, 3" DRAIN

--- | MOP SINK FAUCET | CHICAGO FAUCETS 540-LD897SWXF | CHROME PLATED BRASS, VACUUM BREAKER, INTEGRAL STOPS, TOP WALL BRACE, PAIL HOOK, 3/4" HOSE THREAD

--- | SHOWER BASIN | FIAT MONTEREY MFT | 36"x36" TERRAZZO FLOOR MOUNTED SHOW ER BASIN

--- | SHOWER VALVE | SHOWER-WARE 450 APEX TYPE 5 SURFACE MOUNTED SHOWER, 304 STAINLESS STEEL WITH SATIN FINISH, WALL SUPPLY, SAFTI-THERM, H&C TEMPERATURE BALANCING VALVE, 6' SHOWER HEAD DISCHARGE HEIGHT

--- | SHOWER VALVE | SHOWER-WARE 450ADAHW-A | APEX TYPE 5 SURFACE MOUNTED SHOWER, 304 STAINLESS STEEL WITH SATIN FINISH, WALL SUPPLY, SAFTI-THERM, H&C TEMPERATURE BALANCING VALVE, ADA COMPLIANT CONTROL VALVE, HAND SHOWER

--- | SHOWER VALVE | SHOWER-WARE 450 | APEX TYPE 5 SURFACE MOUNTED SHOWER, 304 STAINLESS STEEL WITH SATIN FINISH, TOP SUPPLY, SAFTI-THERM, H&C TEMPERATURE BALANCING VALVE, 6' SHOWER HEAD DISCHARGE HEIGHT, SUPPLY COVER

--- | SHOWER | SHOWER-WARE 450 | APEX TYPE 5 SURFACE MOUNTED SHOWER, 304 STAINLESS STEEL WITH SATIN FINISH, TOP SUPPLY, SAFTI-THERM, H&C TEMPERATURE BALANCING VALVE, 6' SHOWER HEAD DISCHARGE HEIGHT, SUPPLY COVER

--- | DRINKING FOUNTAIN | HALSEY TAYLOR 4595 FT PEDESTAL-MOUNTED | WEATHER-RESISTANT EXPOSED SIERRA STONE AGGREGATE FOUNTAIN, FREEZE-RESISTANT VALVE, ONE-PIECE, VANDAL-RESISTANT, CHROME-PLATED BUBBLER, VANDAL-RESISTANT PUSHBUTTON

--- | ELECTRIC WATER COOLER | HALSEY TAYLOR HVR8 ADA SELF-CONTAINED | ELECTRIC REFRIGERATED WALL-MOUNTED WATER COOLER, ONE-PIECE, CHROME-PLATED, VANDAL-RESISTANT BUBBLER, SELF-CLOSING, VANDAL-RESISTANT PUSHBUTTON, MOUNT RIM AT 24" A.F.F.

--- | HOSE BIBB | WOODFORD 46-VB-RB | ROUGH BRASS FINISH HOSE BIBB, 3/4" MALE INLET, LOOSE TEE KEY OPERATION, VACUUM BREAKER WITH 3/4" HOSE THREAD NOZZLE OUTLET

--- | WATER ENTRY ROOM, AREA B DOMESTIC HOT WATER CIRCULATION PUMP | B&G B601S | 15 15.5 115 1 1.1

--- | HYDRO-PNEUMATIC TANK | B&G WTA-452 | PENTHOUSE MECHANICAL ROOM, AREA B 528 48 96 1525 150

--- | WATER ENTRY ROOM, AREA B | DOMESTIC EXPANSION TANK | 5 VTS 740 21.7 4.72" 1.9 2" 480V/3PH 57-1/4"x37-1/2"x37-3/8" 1030 LB

--- | WATER HAMMER ARRESTOR | WADE W-5 | PROVIDE ACCESS PANEL

--- | WATER HAMMER ARRESTOR | WADE W-10 | PROVIDE ACCESS PANEL

--- | WATER HAMMER ARRESTOR | WADE W-3/4 | PROVIDE ACCESS PANEL

--- | WATER ENTRY ROOM, AREA B | DOMESTIC EXPANSION TANK | 5 VTS 740 21.7 4.72" 1.9 2" 480V/3PH 57-1/4"x37-1/2"x37-3/8" 1030 LB

--- | WATER ENTRY ROOM, AREA B | HYDRO-PNEUMATIC TANK | 211 30 91 760 125

--- | WATER ENTRY ROOM, AREA B | DOMESTIC EXPANSION TANK | 5 VTS 740 21.7 4.72" 1.9 2" 480V/3PH 57-1/4"x37-1/2"x37-3/8" 1030 LB

--- | WATER ENTRY ROOM, AREA B | HYDRO-PNEUMATIC TANK | 211 30 91 760 125
TYPICAL ALL OTHER INSTANCES ISOMETRIC

TYPICAL 2ND, 3RD AND 4TH FLOOR
RESTROOM WASTE AND VENT ISOMETRIC

AREA A AND D OVER ADMIN AREA

AREA A & D ONLY

V FROM ADMIN AREA. SEE A-P102 FOR CONTINUATION.

V UP AREAS A & D ONLY
TYPICAL 2ND, 3RD AND 4TH FLOOR
RESTROOM PLUMBING WATER ISOMETRIC
SET BALANCING VALVE TO 0.5 GPM.

NOTE: SEE DETAIL 5/A-P502 FOR INSTALLATION.
PLUMBING FUEL GAS ISOMETRIC PLAN

GENERAL NOTES:
1. 2. 5 PSI GAS PIPE SIZE CALCULATED USING 2006 IFGC TABLE 402.4(5)
2. 2 PSI GAS PIPE SIZE CALCULATED USING 2006 IFGC TABLE 402.4(3)

- 2-1/2" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.
  - 14,400 CFH TOTAL

- 2" GAS PRV SET TO PROVIDE 50,400 CFH @ 2.0 PSI

- 2" GAS VENT THRU ROOF

- 1" GAS PPR REDUCER FOR PIPING
  - 25,200 CFH @ 2.0 PSI
  - 21'-0" AT 5 PSI

- 3" GAS VENT THRU ROOF

- 1-1/4" TYP ALL BOILERS
  - 18,000 CFH @ 2.0 PSI
  - 39'-0" AT 5 PSI

- 7,200 CFH @ 2.0 PSI

- 4" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.

- 25,200 CFH @ 2.0 PSI

- 21,600 CFH @ 2.0 PSI

- 10,800 CFH @ 2.0 PSI

- 7,200 CFH @ 2.0 PSI

- 2-1/2" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.

- 14,400 CFH TOTAL

- 2-1/2" GAS VENT THRU ROOF

- 2-1/2" GAS VENT THRU ROOF

- 1-1/4" TYP ALL BOILERS
  - 14,400 CFH @ 2.0 PSI
  - 37'-0" AT 2.0 PSI

- 10,800 CFH @ 2.0 PSI

- 7,200 CFH @ 2.0 PSI

- 2-1/2" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.

- 14,400 CFH TOTAL

- 2-1/2" GAS VENT THRU ROOF

- 2-1/2" GAS VENT THRU ROOF

- 1-1/4" TYP ALL BOILERS
  - 14,400 CFH @ 2.0 PSI
  - 37'-0" AT 2.0 PSI

- 10,800 CFH @ 2.0 PSI

- 7,200 CFH @ 2.0 PSI

- 2-1/2" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.

- 14,400 CFH TOTAL

- 2-1/2" GAS VENT THRU ROOF

- 2-1/2" GAS VENT THRU ROOF

- 1-1/4" TYP ALL BOILERS
  - 14,400 CFH @ 2.0 PSI
  - 37'-0" AT 2.0 PSI

- 10,800 CFH @ 2.0 PSI

- 7,200 CFH @ 2.0 PSI

- 2-1/2" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.

- 14,400 CFH TOTAL

- 2-1/2" GAS VENT THRU ROOF

- 2-1/2" GAS VENT THRU ROOF

- 1-1/4" TYP ALL BOILERS
  - 14,400 CFH @ 2.0 PSI
  - 37'-0" AT 2.0 PSI

- 10,800 CFH @ 2.0 PSI

- 7,200 CFH @ 2.0 PSI

- 2-1/2" GAS FIRED BOILER
  - 3,600 CFH EACH TYP.