

VENTILATION RATE PROCEDURE, ASHRAE 62.1-2010, TABLE 6-1 METHOD

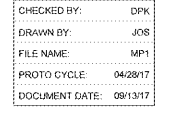
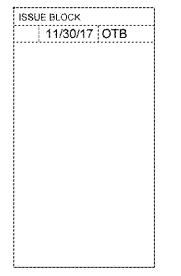
| ZONE NAME | RTU MARK(S) | ROOM NAME | SPACE CLASSIFICATION | TABLE 6-1 INFORMATION | | | | | | | | | | | | ZONE TOTALS OSG TOTAL (CFM) |
|------------------------|--|------------------------|-------------------------|-----------------------|--------|--|---------------------------------|---------------------------------|---------------------|-------------------|---------------------------------------|-----------------------------------|---------------------------------------|-----------------------------------|-------|--------------------------------|
| | | | | FLOOR AREA (SF) | CFM/SP | ASHRAE DEFAULT (IF UNKNOWN) P/1,000 SF | ACTUAL (IF KNOWN) NO. OF PEOPLE | ACTUAL (IF KNOWN) NO. OF PEOPLE | BUILDING LOAD (CFM) | PEOPLE LOAD (CFM) | COOLING SYSTEM VENTILATION EFFICIENCY | COOLING DOV OUTDOOR AIRFLOW (CFM) | HEATING SYSTEM VENTILATION EFFICIENCY | HEATING DOV OUTDOOR AIRFLOW (CFM) | | |
| BAKERY/DELI/PRODUCE | 2 | BAKERY | KITCHEN (COOKING) | 464 | 0.12 | 20 | 14.0 | 9 | 7.5 | 34 | 50 | 1.00 | 64 | 0.80 | 105 | |
| | | BAKERY PREP | KITCHEN (COOKING) | 281 | 0.12 | 20 | 14.0 | 6 | 7.5 | 34 | 50 | 1.00 | 64 | 0.80 | 105 | |
| | | BAKERY/DELI UTILITY | KITCHEN (COOKING) | 474 | 0.12 | 20 | 14.0 | 19 | 7.5 | 87 | 83 | 1.00 | 140 | 0.80 | 179 | |
| | | SERVICE DELI | KITCHEN (COOKING) | 892 | 0.12 | 20 | 14.0 | 14 | 7.5 | 113 | 113 | 1.00 | 198 | 0.80 | 245 | |
| | | ROTISSERIE PREP | KITCHEN (COOKING) | 156 | 0.12 | 20 | 14.0 | 3 | 7.5 | 13 | 29 | 1.00 | 42 | 0.80 | 53 | |
| | | DELI PREP | KITCHEN (COOKING) | 280 | 0.12 | 20 | 14.0 | 6 | 8.5 | 31 | 53 | 2.00 | 42 | 0.80 | 105 | |
| | | SALAD PREP | KITCHEN (COOKING) | 142 | 0.12 | 20 | 14.0 | 3 | 8.5 | 17 | 25 | 2.00 | 21 | 0.80 | 53 | |
| | | CAKE DECORATING | KITCHEN (COOKING) | 399 | 0.12 | 20 | 14.0 | 8 | 7.5 | 46 | 64 | 1.00 | 112 | 0.80 | 140 | |
| | | DRY PRODUCE PREP | KITCHEN (COOKING) | 466 | 0.12 | 20 | 14.0 | 19 | 7.5 | 96 | 84 | 1.00 | 140 | 0.80 | 179 | |
| | | DELI STORAGE | WAREHOUSE | 76 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 0 | 2.00 | 3 | 0.80 | 6 | |
| OGP STOCKROOM A | 23, 27 | OGP STOCKROOM A | WAREHOUSE | 3,792 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 228 | 0.80 | 285 | | |
| | | OGP STOCKROOM B | WAREHOUSE | 1,071 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 65 | 0.80 | 81 | | |
| | | HALLWAY | CORRIDOR | 368 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 17 | 0.80 | 21 | | |
| | | MICROW | CORRIDOR | 89 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 4 | 0.80 | 5 | | |
| | | PRETEST | OFFICE SPACE | 158 | 0.06 | 5 | 17.0 | 1 | 5.0 | 5 | 11 | 1.00 | 17 | 0.80 | 22 | |
| OPTICAL EXAM | 15 | EXAM #1 | OFFICE SPACE | 114 | 0.06 | 5 | 17.0 | 1 | 5.0 | 7 | 10 | 1.00 | 17 | 0.80 | 22 | |
| | | EXAM #2 | OFFICE SPACE | 115 | 0.06 | 5 | 17.0 | 1 | 5.0 | 7 | 10 | 1.00 | 17 | 0.80 | 22 | |
| | | CONTACTS | OFFICE SPACE | 67 | 0.06 | 5 | 17.0 | 1 | 5.0 | 4 | 13 | 1.00 | 17 | 0.80 | 22 | |
| | | RECEPTION/WAITING | RECEPTION AREAS | 267 | 0.06 | 30 | 7.0 | 8 | 5.0 | 18 | 41 | 1.00 | 66 | 0.80 | 79 | |
| OPTICAL SALES | 14 | OPTICAL SALES | SUPERMARKET | 1,324 | 0.06 | 8 | 15.0 | 11 | 7.5 | 70 | 88 | 1.00 | 155 | 0.80 | 207 | |
| | | ADJUSTMENTS | OFFICE SPACE | 109 | 0.06 | 5 | 17.0 | 1 | 5.0 | 7 | 10 | 1.00 | 17 | 0.80 | 22 | |
| PHARMACY | 13 | PHARMACY | PHARMACY (PREP AREA) | 729 | 0.18 | 10 | 23.0 | 8 | 5.0 | 131 | 53 | 1.00 | 184 | 0.80 | 239 | |
| | | HEALTH SERVICES | OFFICE SPACE | 101 | 0.06 | 5 | 17.0 | 1 | 5.0 | 6 | 11 | 1.00 | 17 | 0.80 | 22 | |
| | | PHARMACY RESTROOM | N/A | 57 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| COURTNEY | 11 | CUSTOMER SERVICE | SUPERMARKET | 886 | 0.06 | 8 | 15.0 | 8 | 7.5 | 46 | 50 | 1.00 | 90 | 0.80 | 113 | |
| | | AP OFFICE | OFFICE SPACE | 194 | 0.06 | 5 | 17.0 | 1 | 5.0 | 11.64 | 5 | 1.00 | 17 | 0.80 | 22 | |
| BROOKWOOD RESTROOMS | 30 | SITE TO STORE | WAREHOUSE | 265 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 18 | 0.80 | 20 | | |
| | | BREAKROOM | OFFICE BREAKROOM | 1,236 | 0.12 | 30 | 7.0 | 63 | 5.0 | 35 | 151 | 1.00 | 117 | 0.80 | 144 | |
| | | TRAINING | OFFICE SPACE | 292 | 0.06 | 5 | 17.0 | 2 | 5.0 | 15 | 17 | 1.00 | 30 | 0.80 | 36 | |
| TRAINING/REAR OFFICES | 31 | TRAINING | OFFICE SPACE | 170 | 0.06 | 5 | 17.0 | 1 | 5.0 | 11 | 10 | 1.00 | 21 | 0.80 | 26 | |
| | | PERSONNEL | OFFICE SPACE | 143 | 0.06 | 5 | 17.0 | 1 | 5.0 | 9 | 8 | 1.00 | 17 | 0.80 | 22 | |
| | | AD OFFICE | OFFICE SPACE | 201 | 0.06 | 5 | 17.0 | 2 | 5.0 | 6 | 12 | 1.00 | 43 | 0.80 | 50 | |
| LPC/LPS | 10 | COMPUTER LAB | COMPUTER LAB | 143 | 0.12 | 25 | 15.0 | 4 | 10.0 | 6 | 17 | 80 | 1.00 | 78 | 0.80 | 97 |
| | | PHOTO LAB/RESTROOMS | COMPUTER (NOT PRINTING) | 234 | 0.06 | 4 | 20.0 | 1 | 5.0 | 14 | 6 | 1.00 | 20 | 0.80 | 25 | |
| FRONT OFFICE RESTROOMS | 26 | ALCOVE | CORRIDOR | 230 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 14 | 0.80 | 18 | | |
| | | PHOTO LAB | CORRIDOR | 243 | 0.18 | 25 | 17.0 | 7 | 10.0 | 44 | 75 | 1.00 | 119 | 0.80 | 149 | |
| | | MOTHER'S ROOM | N/A | 59 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| | | MEN RR | N/A | 262 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| | | WOMEN RR | N/A | 317 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| RECEIVING | 28, 33, 34 | CASH | OFFICE SPACE | 171 | 0.06 | 5 | 17.0 | 1 | 5.0 | 10 | 7 | 1.00 | 17 | 0.80 | 22 | |
| | | COUNTING | OFFICE SPACE | 191 | 0.06 | 5 | 17.0 | 1 | 5.0 | 11 | 6 | 1.00 | 17 | 0.80 | 22 | |
| | | MANAGER OFFICE | OFFICE SPACE | 145 | 0.06 | 5 | 17.0 | 1 | 5.0 | 8 | 8 | 1.00 | 17 | 0.80 | 22 | |
| | | ALCOVE | CORRIDOR | 96 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| | | MEN RR | N/A | 291 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| REAR CORRIDOR | 32 | WOMEN RR | N/A | 381 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| | | RECEIVING | SHIPPING/RECEIVING | 2,500 | 0.12 | 2 | 70.0 | 4 | 10.0 | 260 | 40 | 1.00 | 260 | 0.80 | 350 | |
| | | STOCK | WAREHOUSE | 10,897 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 893 | 0.80 | 619 | | |
| SALES/GROCERY/CHECKOUT | 16, 17, 18, 19, 20, 21, 22, 24, 25, 26, 28, 29, 30, 31, 32, 33, 34 | REAR CORRIDOR | CORRIDOR | 249 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 33 | 0.80 | 42 | | |
| | | GENERAL MERCHANDISE | SUPERMARKET | 88,076 | 0.06 | 8 | 15.0 | 785 | 7.5 | 654 | 5,885 | 1.00 | 10789 | 0.80 | 13486 | |
| | | GROCERY SALES | SUPERMARKET | 33,343 | 0.06 | 8 | 15.0 | 296 | 7.5 | 222 | 1,995 | 1.00 | 3687 | 0.80 | 4571 | |
| | | SEASONAL SALES | SUPERMARKET | 7,345 | 0.06 | 8 | 15.0 | 59 | 7.5 | 49 | 441 | 1.00 | 808 | 0.80 | 1010 | |
| OGP STORAGE | 1 | CHECKOUT | SUPERMARKET | 1,550 | 0.06 | 5 | 15.0 | 18 | 7.5 | 33 | 120 | 1.00 | 375 | 0.80 | 463 | |
| | | GROCERY PICKUP/STORAGE | WAREHOUSE | 1,541 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 111 | 0.80 | 139 | | |
| GM STORAGE/PICKUP | 3 | PICKUP CHECK-IN | SALES | 423 | 0.12 | 15 | 16.0 | 7 | 7.5 | 61 | 61 | 1.00 | 112 | 0.80 | 140 | |
| | | STORAGE | WAREHOUSE | 1,802 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 109 | 0.80 | 136 | | |
| AUTOCENTER | 36 | CUSTOMER SERVICE | SUPERMARKET | 1,129 | 0.06 | 8 | 15.0 | 10 | 7.5 | 68 | 62 | 1.00 | 150 | 0.80 | 188 | |
| | | BATTERY STORAGE | WAREHOUSE | 271 | 0.06 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 17 | 0.80 | 21 | | |
| | | RESTROOM | N/A | 73 | 0 | 0 | 0.0 | 0 | 0.0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| TENANTS | 8, 9 | BANK | BANKS OR BANK LOBBIES | 9 | 0.06 | 5 | 17 | 0 | 3.0 | 0 | 0 | 1.00 | 0 | 0.80 | 0 | |
| | | FOOD TENANT KITCHEN | KITCHEN (COOKING) | 577 | 0.12 | 20 | 14 | 12 | 7.5 | 6 | 89.24 | 45 | 1.00 | 115 | 0.80 | 143 |
| | | FOOD TENANT DINING | RESTAURANT DINING ROOM | 847 | 0.18 | 70 | 10 | 60 | 7.5 | 20 | 152.46 | 150 | 1.00 | 303 | 0.80 | 379 |
| | | HAIR AND NAIL SALON | BARBERSHOP | 0.00 | 25 | 10.0 | 0 | 7.5 | 0 | 0 | 1.00 | 0 | 0.80 | 0 | | |
| FUTURE TENANT | | | | | | | | | | | | | | | | |

GENERAL NOTES:
 1. OCCUPANCY LOAD AND ASHRAE VENTILATION RATES ARE BASED ON NET OCCUPANCY SPACE, IN ACCORDANCE WITH ASHRAE 62.1-2010.
 2. ANTICIPATED NUMBER OF PEOPLE BASED ON HISTORICAL WAL-MART DATA WAS USED TO CALCULATE OUTSIDE AIR REQUIREMENTS AS PERMITTED BY ASHRAE 62.1. WHERE WAL-MART DATA WAS NOT AVAILABLE, AN OCCUPANCY FACTOR BASED ON ASHRAE 62.1 WAS USED TO CALCULATE PEOPLE COMPONENT OF OUTSIDE AIR REQUIREMENT.
 * REPRESENTS AN IAG RTU WITH AN INDOOR CO2 SENSOR CAPABLE OF SUPPLYING 100% OSA

GENERAL NOTES

1. IW PIPING SYSTEM WITH CONTROL COMPONENTS SHALL BE INSTALLED BY AN IRRIGATION INSTALLER WITH A MINIMUM OF TWO YEARS EXPERIENCE INSTALLING IRRIGATION SYSTEMS.
2. IW LINES IN GARDEN CENTER SERVICING HOSE BIBBS TO BE SLOPED DOWN 1/8" PER FOOT TOWARD HOSE BIBBS FOR WINTER DRAIN DOWN.
3. CONTRACTOR TO LABEL EXPOSED WATERING SYSTEM AND HOSE BIBBS PIPING AS "NON-POTABLE WATER - DO NOT DRINK".
4. WATERING SYSTEM SEQUENCE OF OPERATION AT GARDEN CENTER CANOPY:

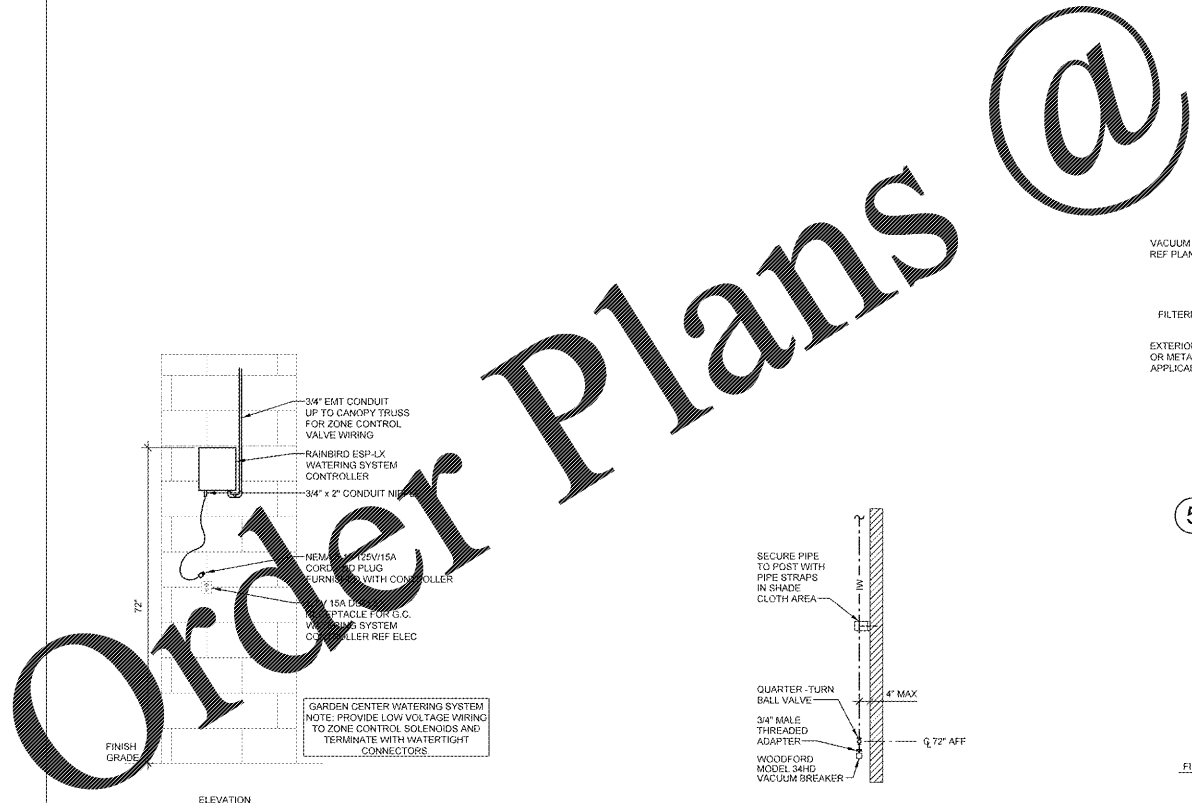
1. LATERAL LINE ZONE VALVES MASTER VALVE - ON
2. MASTER VALVE - OFF SYSTEM MAIN DRINKS THROUGH FILTERED DRAIN VALVE TO MAINTAIN PROPER DRAIN THRU DRAIN'S FOR WATERING SYSTEMS
3. WATERING MAIN PROVIDED BY OWNER



BID SET NOT FOR CONSTRUCTION

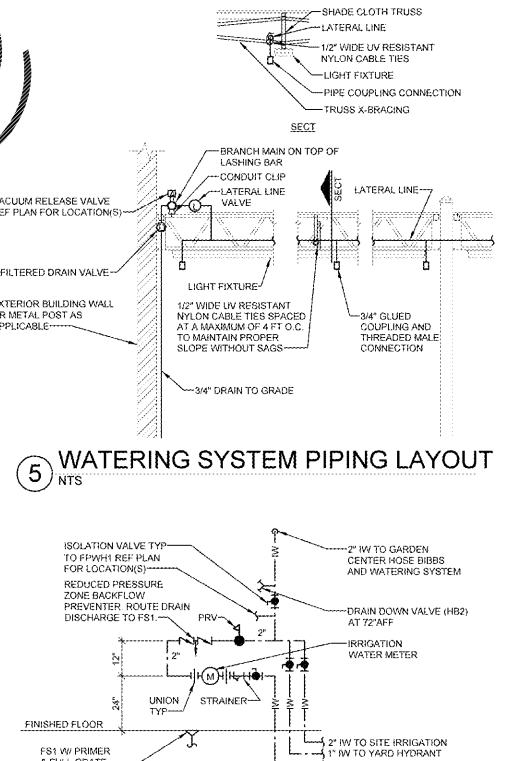
GARDEN CENTER PLUMBING PLANS AND DETAILS

SHEET: MP1

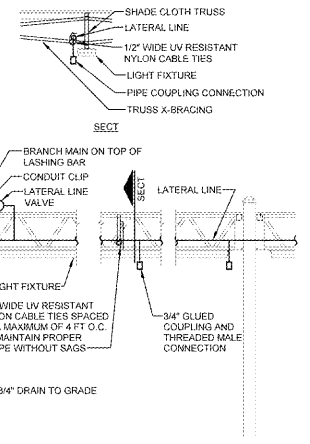


4 WATERING SYSTEM CONTROL PANEL NTS

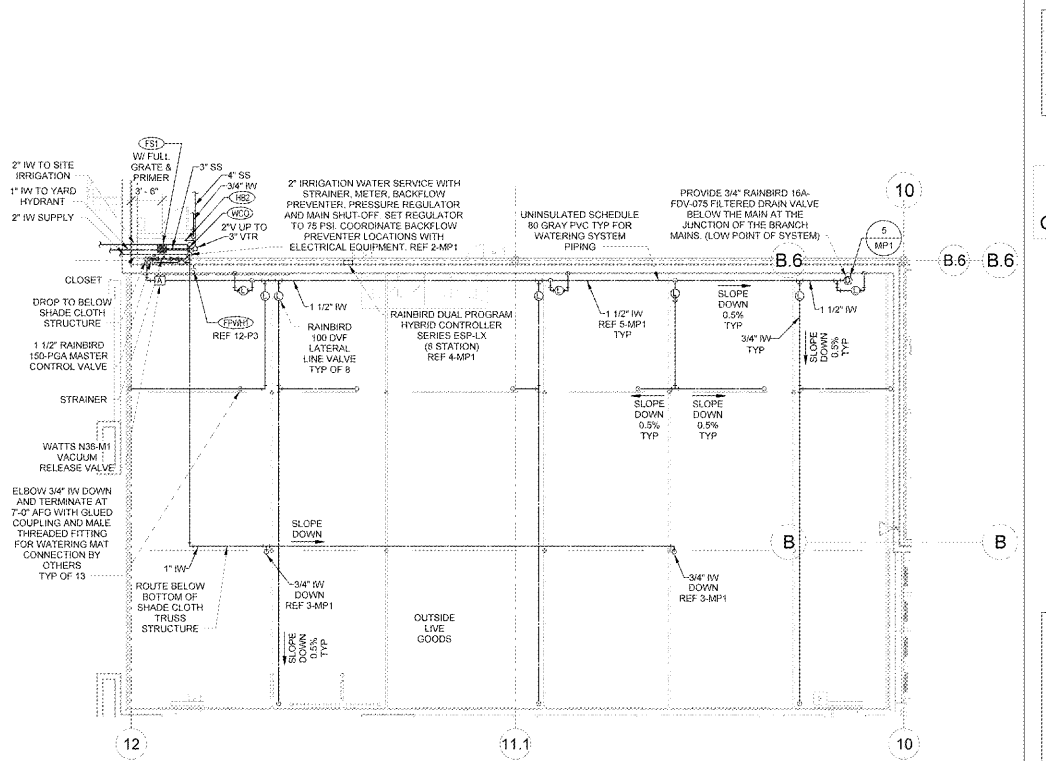
3 GARDEN CENTER HOSE CONNECTION NTS



2 IRRIGATION RISER NTS



5 WATERING SYSTEM PIPING LAYOUT NTS



1 GARDEN CENTER PLUMBING PLAN 1/8" = 1'-0"