

| | SITE NAME: | LECCO F | IDGE | | | | | w | UP | | | | | | | DATE: | Feb-17 | | | WINTE | ER NAT | URAL A | IR CHA | NGE RA | TE 0.3 | 303 | HEAT LOSS | ΔT °F. | 72 | | CSA-F28 | 30-12 |
|-----|---|--|---|--|--|---------|---------|-----|--|--|------|--------|--------|---|--|---|--|--|--|--|--|--|---|--------|--------|------|---------------------------------------|--|---|--|--|--|
| | BUILDER: | GREENP | ARK HO | OMES | | | TY | | JNIPER 3 | | | G | FA: 27 | 765 | | | 72383 | | | SUMME | | | | | | | HEAT GAIN | | 14 | \$. } | ENERGYS | |
| - 1 | ROOM USE | | | MI | 3R | T | ENS | | | | F | BED-2 | | B | ED-3 | Τ | BED-4 | | BAT | | Т | ENS-2 | | | NS-2 | Ť | 1 | | | ī | | |
| | EXP. WALL | | - 1 | 1 | | | 31 | - 1 | | | " | 23 | | | 43 | | 32 | | 10 | | 1 | 16 | | | 16 | | | | | 3 | | |
| - 1 | CLG. HT. | | | | | | 9 | | | | | 10 | | | 10 | 1 | 9 | | 9 | | 1 | 9 | | | 9 | | | | | 14.0 | | |
| - 1 | | FACTOR | . | | | | • | | | | | | | | | İ | 3 | - 1 | | | 1 | • | | | | | | | - 11.4 | 1.5 | A . | |
| | GRS.WALL AREA | | | 15 | :n | | 279 | | | | | 230 | | | 430 | 1 | 288 | | 90 | | 1 | 144 | | | 144 | | | 7 | NWO | OF | ин та | ואר |
| - | GLAZING | 1033 | A114 | | | 1 | LOSS GA | | | | | | | | | 1 | | | | | 1 | | GAIN | | OSS GA | | | - | AND D | | | |
| | | | | | SS GAIN | 1 | | | | | | .oss G | - 1 | | OSS GAIN | ١. | LOSS GA | - 1 | | S GAIN | 0 | 0 | | | | | MILTON PLAN | MINIMO | | | | |
| - | NORTH | | | 0 (| | | | 64 | | | 0 | | - 1 | 0 | 0 0 | 0 | 0 (| | 0 0 | 0 | | | 0 | | | 0 | | | JUN | IPEK | 3 MOE | JEL |
| - | EAST | | | 0 (| | 0 | | 0 | | | | | | | 803 1864 | 0 | 0 (| | 0 0 | 0 | 13 | 232 | 538 | | | 538 | BUILDING: | REVIE | EWED | | | |
| | SOUTH | | | 0 (| | 0 | | 0 | | | 0 | • | 0 | 0 | 0 0 | 0 | 0 (| | | 5 173 | 0 | 0 | 0 | - | 7 | 0 | SCOTT SHE | RRIF | FS | AF | PR 7, 20 | 017 |
| | WEST | | | | 3 1491 | 16 | | 63 | | | 0 | | - 1 | 0 | 0 0 | 16 | 286 66 | | 0 0 | 0 | 0 | 0 | 0 | | | 0 | PLANS EXAMIN | | . • | , | | ATE |
| | SKYLT. | | | 0 (| | 0 | - | 0 | | | 0 | - | - 1 | 0 | 0 0 | 0 | 0 (| | 0 0 | 0 | 0 | 0 | 0 | - | | 0 | Neither the issua | | normit no | r cornir | | AIL |
| | DOORS | | | 0 (| - | 0 | | 0 | | | 0 | - | · 1 | 0 | 0 0 | 0 | 0 (| - 1 | 0 0 | 0 | 0 | 0 | 0 | | | 0 | inspections by th | ne Town | of Milton r | elives th | ne owner i | from |
| | NET EXPOSED WALL | | | 14 29 | | 1 | | 21 | | | 1 | | - 1 | | 1007 195 | 272 | 712 13 | 1 | 33 217 | | 131 | 343 | 66 | | | 66 | full responsibility | | | | | |
| | NET EXPOSED BSMT WALL ABOVE GR | | - 1 | 0 (| | 0 | | 0 | | | 0 | - | - 1 | 0 | 0 0 | 0 | 0 (| | 0 0 | 0 | 0 | 0 | 0 | | | 0 | the Ontario Build | | | | | |
| | EXPOSED CLG | | | 36 40 | 3 230 | 1 | | 37 | | | ł | | - 1 | | 266 132 | 231 | 318 15 | 58 1 | 62 223 | 3 111 | 60 | 83 | 41 | | | 41 | Code, both as ar | | | | | |
| | NO ATTIC EXPOSED CLG | | - 1 | 0 (| | 20 | | 22 | | | i | | - 1 | | 213 106 | 0 | 0 (| | 0 0 | 0 | 0 | 0 | 0 | | | 0 | statutes and reg | | | | | |
| | EXPOSED FLOOR | 2,2 | 0.4 | 0 (| 0 | 0 | 0 | 0 | | | 266 | 583 1 | 113 | 0 | 0 0 | 0 | 0 (|) י | 0 0 | 0 | 60 | 132 | 25 | 60 | 132 2 | 25 | By-laws of the R | egion o | Hallon an | u rown | OI WIIIIOII | |
| . | BASEMENT/CRAWL HEAT LOSS | | | • |) | | 0 | | | | | 0 | - 1 | | 0 | l | 0 | | 0 | | | 0 | | | 0 | İ | | | | 1 | | - 1 |
| | SLAB ON GRADE HEAT LOSS | | - 1 | • |) | | 0 | | | | | 0 | | | 0 | 1 | 0 | | 0 | | | 0 | | | 0 | | | | DI | | IVED | |
| - 1 | SUBTOTAL HT LOSS | | | 14 | | 1 | 1645 | | | | | 2298 | | 2 | 2290 | | 1316 | | 565 | | | 789 | | 1 1 | 789 | | | | | | | 201 |
| | SUB TOTAL HT GAIN | | | | 1779 | I. | | 308 | | | | 2 | 283 | | 2297 | | 95 | | | 326 | | | 671 | | 6 | 37.1 | | 1.0 | TOW | N OF | MILTC | אכ |
| | LEVEL FACTOR / MULTIPLIER | | 0 | .20 0. | 29 | 0.20 | 0.29 | | | | 0.20 | 0.29 | 0 | 0.20 | 0.29 | 0.20 | 0.29 | 0. | 20 0.29 | 9 | 0.20 | 0.29 | | | 0.29 | | | | M. | AR 29 | , 2017 | |
| | AIR CHANGE HEAT LOSS | | - 1 | 40 |)6 | | 475 | | | | | 664 | | | 661 | 1 | 380 | | 163 | 3 | | 228 | | : | 228 | | | | | | | |
| | AIR CHANGE HEAT GAIN | | | | 138 | | 1 | 01 | | | | 1 | 177 | | 178 | | 7 | 4 | | 25 | 1 | | 52 | | | 52 | | | J | UNIP | ER 3 | |
| - 1 | DUCT LOSS | | | (|) | | 0 | | | | | 296 | | | 0 | | 0 | | 0 | | 1 | 102 | | · · | 102 | | | 1 | BUILE | ING I | DIVISIO | ON |
| | DUCT GAIN | | | | 0 | | | 0 | | | | 3 | 334 | | 0 | ŀ | (|) | | 0 | | | 72 | | | 72 | | - 4 | DOILL | 71110 | DIVION | 011 |
| | HEAT GAIN PEOPLE | 240 | | 2 | 480 | 0 | | 0 | | | 1 | 2 | 240 | 1 | 240 | 1 | 24 | 10 | 0 | . 0 | 0 | | 0 | 0 . | | 0 | | | | 1 | | . |
| | HEAT GAIN APPLIANCES/LIGHTS | | | | 637 | | 6 | 37 | | | | e | 537 | | 637 | l | 63 | 37 | | 0 | | | 0 | | | 0 | | | | - | | |
| - 1 | TOTAL HT LOSS BTU/H | | | . 18 | 11 | | 2120 | | | | | 3258 | - 1 | 2 | 2951 | | 1696 | | 729 | • | | 1119 | | . 1 | 119 | | | | | 2 | | |
| Į | TOTAL HT GAIN x 1.3 BTU/H | | | | 3944 | <u></u> | 26 | 660 | | | | 4 | 771 | | 4357 | <u> </u> | 24 | 82 | | 457 | | | 1034 | | 10 | 034 | | | 200 | | | |
| i | | | | | | | | | | | | | | | | | | | | | | | ···· | | | | * ! | | 154 | <u> </u> | | |
| | ROOM USE | | | | | | | | | | | | | | | | MILE | | | | | | | | | | | | | 1 | BAS | - 1 |
| l | | | - 1 | LV | | | | ı | KT/FN | <i>n</i> | | | | | AUN | 1 | W/R | | FO | | 1 | PANT | | | | | 100 | | NUP | 2 | DAO | |
| | EXP. WALL | | | 4 | 8 | | | | 51 | <i>n</i> | | | | | 35 | | 7 | | 18 | | | 14 | | | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | NUP 15 | 3 | 168 | |
| | CLG. HT. | | | | 8 | | | | | Λ | | | | | | | | | | | | | - | | | | | | | Colonia de la Co | | |
| | CLG. HT. | FACTOR | | 4 1 | 8 0 | | | | 51 10 | Л | | | | | 35 12 | | 7 10 | *1 | 18 11 | | | 14 10 | - | | | | | | 15 10 | galance and | 168 10 | |
| | CLG. HT. GRS.WALL AREA | | | 4 1 4 | 8 0 80 | | | | 51 10 510 | | | | | | 35 12 420 | | 7 10 70 | 12 | 18 11 198 | 3 | | 14 10 140 | - | | | | | | 15 10 143 | State of the state | 168 10 1159 | |
| | CLG. HT. GRS.WALL AREA GLAZING | LOSS G | AIN | 4 1 4 LO | 8 0 80 SS GAIN | | | | 51 10 510 LOSS | S GAIN | | | | L | 35 12 420 OSS GAIN | | 7 10 70 LOSS GA | | 18 11 198 LOS | 3 S GAIN | l | 14 10 140 LOSS | | | | | | | 15 10 143 OSS GAIN | 1 - | 168 10 1159 LOSS (| GAIN |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH | LOSS G | 5.8 : | 4 1 48 LO 20 38 | 8 0 80 SS GAIN 57 317 | | | | 51 10 510 LOSS 0 0 | GAIN 0 | | | | L | 35 12 420 | 0 | 7 10 70 LOSS GA | | 18 11 198 LOS 0 0 | 3 | 0 | 14 10 140 LOSS | 0 | | | | | | 15 10 143 OSS GAIN 0 0 | 10 | 168 10 1159 LOSS (| GAIN 158 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST | 17.9 4 | 5.8 : 1.4 : | 4 4 LO 20 3: 20 3: | 8 0 80 SS GAIN 57 317 57 828 | | | - 1 | 51 10 510 LOSS 0 0 | GAIN 0 0 | | | | 9 0 | 35 12 420 OSS GAIN 161 143 0 0 | 0 | 7 10 70 LOSS GA 0 (0 | | 18 11 198 LOS 0 0 | 3 S GAIN | 0 0 | 14 10 140 LOSS 0 | 0 | | | | | L 0 0 | 15 10 143 OSS GAIN 0 0 0 0 | 10 0 | 168 10 1159 LOSS (179 0 | 158 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH | 17.9 4 17.9 4 17.9 5 | 5.8 : 1.4 : | 44 10 44 LO 20 3: 20 3: | 8 0 60 SS GAIN 57 317 57 828 57 1189 | | | | 51 10 510 LOSS 0 0 0 0 | 6 GAIN 0 0 0 | | | | 9 0 | 35 12 420 OSS GAIN 161 143 | 0 7 | 7 10 70 LOSS GA 0 (125 17 | 73 | 18 11 198 LOS 0 0 0 0 | 3 IS GAIN 0 | 0 0 | 14 10 140 LOSS 0 0 | 0 0 | | | | | L O | 15 10 143 OSS GAIN 0 0 0 0 | 10 0 0 | 168 10 1159 LOSS (| 158 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST | 17.9 4 17.9 4 17.9 4 17.9 4 | 5.8 : 1.4 : 4.8 4 | 44 LO 20 35 20 35 48 85 0 (| 8 0 80 8S GAIN 67 317 67 828 67 1189 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 | 6 GAIN 0 0 0 0 4225 | | | | 9 0 0 | 35 12 420 OSS GAIN 161 143 0 0 0 0 | 0 7 0 | 7 10 70 LOSS GA 0 (0 0 (125 17 0 (0 | 73 | 18 11 198 LOS 0 0 0 0 | 3 IS GAIN 0 0 0 | 0 0 0 7 | 14 10 140 LOSS 0 0 0 | 0 0 0 290 | | | | | 0 0 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 | 10 0 0 0 | 168 10 1159 LOSS 0 179 0 0 | 158 0 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 | 5.8 : 1.4 : 4.8 : 1.4 : 01.2 | 44 LO 20 33 20 35 48 85 0 (0 | 8 0 80 8S GAIN 67 317 67 828 67 1189 0 0 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 0 0 02 1821 0 0 | 6 GAIN 0 0 0 0 4225 | | | | 9 0 0 0 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 | 0 7 0 0 | 7 10 70 LOSS GA 0 (0 (125 17 0 (| 73 | 18 11 198 LOS 0 0 0 0 0 0 | 3 S GAIN 0 0 0 | 0 0 0 7 | 14 10 140 LOSS 0 0 0 125 | 0 0 0 290 0 | | | | | 0 0 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 | 10 0 0 0 0 | 168 10 1159 LOSS 0 179 0 0 0 | 158 0 0 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 | 5.8 1.4 4.8 1.4 01.2 | 44 LO 220 35 220 33 48 85 0 (0 | 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 02 1821 0 0 | 6 GAIN 0 0 0 4225 0 | | | | 9 0 0 0 0 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 | 0 7 0 0 | 7 10 70 LOSS GA 0 (125 17 0 (0 (| 73 | 18 11 198 LOS 0 0 0 0 0 0 0 0 15 1082 | 3 SS GAIN 0 0 0 0 0 | 0 0 0 7 0 | 14 10 140 LOSS 0 0 0 125 0 | 0 0 0 290 0 | | | | | 0 0 0 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 481 93 | 10 0 0 0 0 20 | 168 10 1159 LOSS (179 0 0 0 0 | 158 0 0 0 0 0 93 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 | 5.8 : 1.4 : 4.8 : 4.8 : 4.7 : 20.5 3 | 44 LO 20 33 20 33 48 85 0 (0 0 (0 | 8 0 0 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 02 1821 0 0 0 0 | 6 GAIN 0 0 0 4225 0 0 206 | | | | 9 0 0 0 0 20 391 1 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 0 481 93 1023 198 | 0 7 0 0 0 63 | 7 10 70 LOSS GA 0 (0 125 17 0 (0 0 (0 165 3 | 73 10 10 10 10 10 10 10 1 | 18 111 198 LOS 0 0 0 0 0 0 0 0 0 15 108253 400 | 3 S GAIN 0 0 0 0 0 2 209 | 0 0 0 7 0 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 | 0 0 0 290 0 0 67 | | | | | 0 0 0 0 0 0 20 123 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 481 93 321 62 | 10 0 0 0 0 20 | 168 10 1159 LOSS (179 0 0 0 0 481 | 158 0 0 0 0 0 93 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 | 5.8 : 1.4 : 4.8 : 4.4.8 : 4.7 : 0.5 : 3.0.6 | 44 LO 20 35 20 35 48 85 0 (0 0 (0 92 10 | 8 0 0 SS GAIN 67 317 828 67 1189 0 0 0 0 0 26 198 | | | 1 | 510 100 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 GAIN 0 0 0 4225 0 0 206 | | | | 9 0 0 0 0 20 391 1 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 | 0 7 0 0 0 63 | 7 10 70 LOSS GA 0 (125 17 0 (0 (| 73 10 10 10 10 10 10 10 1 | 18 111 198 LOS 0 0 0 0 0 0 0 0 0 15 108:553 4000 0 0 | 3 SS GAIN 0 0 0 0 0 | 0 0 0 7 0 0 0 133 | 14 10 140 LOSS 0 0 0 125 0 0 348 | 0 0 0 290 0 0 67 | | | | | 0 0 0 0 0 0 20 123 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 481 93 321 62 0 0 | 10 0 0 0 0 0 20 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 | 158 0 0 0 0 93 0 282 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 | 5.8 : 1.4 : 4.8 : 4.8 : 4.7 : 5.5 : 3.6 : 5.6 : 5.7 | 44 LO 20 35 20 35 48 85 0 (0 0 (0 92 10 0 (0 | 8 0 SS GAIN 67 317 828 67 1189 0 0 0 26 198 0 0 0 | | | 1 | 510 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 GAIN 0 0 0 4225 0 0 206 0 | | | | 9 0 0 0 0 20 391 1 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 | 0 7 0 0 0 63 0 | 7 10 70 LOSS GA 0 (| 73 10 10 10 10 10 10 10 1 | 18 11 198 LOS 0 0 0 0 0 0 0 0 15 1082 53 400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 SS GAIN 0 0 0 0 2 209 0 77 0 | 0 0 0 7 0 0 133 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 | 0 0 290 0 0 67 0 | | | | | 0 0 0 0 0 0 20 123 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 481 93 321 62 0 0 0 0 | 10 0 0 0 0 20 0 437 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 | 158 0 0 0 0 93 0 282 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED CLG NO ATTIC EXPOSED CLG | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.1.4 : 4.8 : 4.7 : 5.5 : 3.0.6 : 0.7 : 1.1 | 44 LO 20 35 20 35 448 85 0 (0 0 (0 92 10 0 (0 | 8 0 SS GAIN 67 317 828 67 1189 0 0 0 26 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 4 | 510 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 GAIN 0 0 4225 0 206 0 | | | | 9 0 0 0 0 20 391 1 0 | 35 12 420 CSS GAIN 161 143 0 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 | 7 10 70 LOSS GA 0 (125 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 73 | 18 11 198 LOS 0 0 0 0 0 0 0 0 15 1082 53 400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 SS GAIN 0 0 0 0 0 2 209 0 77 0 0 | 0 0 0 7 0 0 133 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 481 93 321 62 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 0 481 0 1458 0 | 158 0 0 0 0 93 0 282 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NO ATTIC EXPOSED CLG EXPOSED CLG EXPOSED FLOOR | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.1.4 : 4.8 : 4.7 : 5.5 : 3.0.6 : 0.7 : 1.1 | 44 LO 20 35 20 35 20 36 48 85 0 (0 0 (0 92 10 0 (0 0 (0 | 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 4 | 510 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 GAIN 0 0 0 4225 0 0 206 0 | | | | 9 0 0 0 0 20 391 1 | 35 12 420 CSS GAIN 161 143 0 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 | 7 10 70 LOSS GA 0 (| 73 | 18 11 198 LOS 0 0 0 0 0 0 0 0 15 1082 53 400 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 SS GAIN 0 0 0 0 2 209 0 77 0 | 0 0 0 7 0 0 133 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 | 0 0 290 0 0 67 0 | | | | | 0 0 0 0 0 0 20 123 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 481 93 321 62 0 0 0 0 | 10 0 0 0 0 20 0 437 | 168 10 1159 LOSS C 179 0 0 0 0 481 0 1458 0 | 158 0 0 0 0 93 0 282 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.1.4 : 4.8 : 4.7 : 5.5 : 3.0.6 : 0.7 : 1.1 | 44 LO 20 35 20 35 20 36 48 85 0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 | 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 4 | 510 LOSS 0 | 6 GAIN 0 0 4225 0 206 0 | | | | 9 0 0 0 0 20 391 1 0 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 | 7 10 70 LOSS GA 0 (| 73 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 SS GAIN 0 0 0 0 0 2 209 0 77 0 0 | 0 0 0 7 0 0 133 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 0 481 0 1458 0 | 158 0 0 0 0 93 0 282 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.1.4 : 4.8 : 4.7 : 5.5 : 3.0.6 : 0.7 : 1.1 | 44 LO 20 35 20 35 20 35 48 85 0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 8 0 | | | 1 4 | 51 10 5100 LOSS 0 0 0 0 0 0 0 2 1821 0 0 0 0 0 0 0 0 0 10 22 0 0 0 0 0 0 0 | 6 GAIN 0 0 4225 0 206 0 | | | | 0 0 0 0 20 391 1 0 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 481 93 023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 73 | 18 11 198 LOS 0 0 0 0 0 0 0 15 1082 53 4000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 SS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 7 0 0 133 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS (179 0 0 0 0 481 0 1458 0 0 0 5303 | 158 0 0 0 0 93 0 282 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.1.4 : 4.8 : 4.7 : 5.5 : 3.0.6 : 0.7 : 1.1 | 44 LO 20 35 20 35 20 36 48 85 0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 (0 | 8 0 | | | 1 4 | 510 LOSS 0 | 6 GAIN 0 0 4225 0 206 0 11 | | | | 0 0 0 0 20 391 1 0 | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 10 173 173 174 175 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 7 0 0 133 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS (179 0 0 0 0 481 0 1458 0 0 5303 | 158 0 0 0 0 93 0 282 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED CLG EXPOSED CLG SASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.8 : 4.9 : 1.4 : 9.1.2 : 1.7 : 9.6 : 9.7 : 1.1 : 9.4 | 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 6 GAIN 0 0 4225 0 206 0 | | | | D L S S S S S S S S S S S S S S S S S S | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 10 173 173 174 175 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 7 0 0 133 0 0 | 14 10 140 LOSS 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 0 5303 | 158 0 0 0 0 93 0 282 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.8 : 4.9 : 1.4 : 9.1.2 : 1.7 : 9.6 : 9.7 : 1.1 : 9.4 | 441 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 0 1821 0 0 0 00 1088 0 0 0 10 22 0 0 0 2911 | 6 GAIN 0 0 4225 0 206 0 11 0 | | | | D L L L L L L L L L L L L L L L L L L L | 35 12 420 CSS GAIN 161 143 0 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 | 18 11 198 LOS 0 0 0 0 0 0 0 0 1483 30 0.47 | 3 GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 7 0 0 133 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 5303 7421 | 158 0 0 0 0 93 0 282 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.8 : 4.9 : 1.4 : 9.1.2 : 1.7 : 9.6 : 9.7 : 1.1 : 9.4 | 41 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | G GAIN 0 0 0 4225 0 0 206 0 0 111 0 44442 | | | | D L L L L L L L L L L L L L L L L L L L | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 73 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 7 0 0 133 0 0 | 14 10 140 LOSS 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 0 5303 | 158 0 0 0 0 93 0 282 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE GR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.8 : 4.9 : 1.4 : 9.1.2 : 1.7 : 9.6 : 9.7 : 1.1 : 9.4 | 441 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 8 0 0 SS GAIN 67 317 317 57 828 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 2 1821 0 0 0 0 008 1068 0 0 0 0 10 22 0 0 0 0 2911 30 0.47 | 6 GAIN 0 0 4225 0 206 0 11 0 | | | | D L L L L L L L L L L L L L L L L L L L | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 7 0 0 133 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 0 5303 7421 | 158 0 0 0 0 93 0 282 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS DUCT LOSS | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 : 4.8 : 4.9 : 1.4 : 9.1.2 : 1.7 : 9.6 : 9.7 : 1.1 : 9.4 | 441 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 68 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | | | 1 | 51 10 510 LOSS 0 0 0 0 0 0 0 1821 0 0 0 00 1088 0 0 0 10 22 0 0 0 2911 | G GAIN 0 0 0 4225 0 0 0 11 0 44442 | | | | D L L L L L L L L L L L L L L L L L L L | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 481 93 0023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 | 7 10 70 LOSS GA 0 0 0 125 17 0 0 0 165 3 0 0 0 0 0 0 0 0 290 20 0.47 137 | 0.000 | 18 11 198 LOS 0 0 0 0 0 0 0 0 1483 30 0.47 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 7 0 0 133 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 5303 7421 | 158 0 0 0 0 93 0 282 0 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENTICRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT LOSS DUCT GAIN | 17.9 17.9 17.9 17.9 17.9 17.9 17.9 17.9 | 5.8 : 1.4 : 4.8 4 4.8 4 4.1.4 1.4 1.4 1.7 1.2 1.5 1.7 1.1 1.7 1.7 1.1 1.7 1.7 1.7 1.1 1.7 1.7 | 441 LO 334 LO 344 8 0 0 SS GAIN 67 317 317 57 828 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | | 1 4 | 51 10 510 LOSS 0 0 0 0 0 0 0 0 0 00 1821 0 0 0 00 0 1068 0 0 0 0 0 0 0 0 0 10 22 0 0 2911 1380 | GAIN 0 0 0 4225 0 0 206 0 0 11 0 4442 345 0 | | | | D L S S S S S S S S S S S S S S S S S S | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 63 0 0 0 | 7 10 70 LOSS GA 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0.000 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 7 0 0 133 0 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 0 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 0 20 0 437 0 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 0 5303 7421 | 158 0 0 0 0 93 0 282 0 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT GAIN HEAT GAIN PEOPLE | 17.9 4 17.9 4 17.9 4 17.9 4 30.6 1 24.1 2.6 3.3 1.4 2.2 | 5.8 : 1.4 : 4.8 4 4.8 4 4.1.4 1.4 1.4 1.7 1.2 1.5 1.7 1.1 1.7 1.7 1.1 1.7 1.7 1.7 1.1 1.7 1.7 | 441 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 100 SSS GAIN 101 S | | | 1 4 | 51 10 510 LOSS 0 0 0 0 0 0 2 1821 0 0 0 0 008 1068 0 0 0 0 10 22 0 0 0 0 2911 30 0.47 | G GAIN 0 0 0 4225 0 0 0 111 0 44442 345 0 0 0 | | | | D L L L L L L L L L L L L L L L L L L L | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 | 7 10 70 LOSS GA 0 0 0 125 17 0 0 0 165 3 0 0 0 0 0 0 0 0 290 20 0.47 137 | 0.000 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 7 0 0 133 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 481 93 321 62 0 0 0 0 0 0 0 0 0 155 | 0 0 0 0 20 0 437 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 0 5303 7421 | 158 0 0 0 0 93 0 282 0 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED BSMT WALL ABOVE OR EXPOSED CLG NO ATTIC EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SUB TOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT LOSS OUCT GAIN HEAT GAIN PEOPLE HEAT GAIN APPLIANCES/LIGHTS | 17.9 17.9 17.9 17.9 17.9 17.9 17.9 17.9 | 5.8 : 1.4 : 4.8 4 4.8 4 4.1.4 1.4 1.4 1.7 1.2 1.5 1.7 1.1 1.7 1.7 1.1 1.7 1.7 1.7 1.1 1.7 1.7 | 4 1 1 LO LO LO LO LO LO LO LO LO LO LO LO LO | 100 SSS GAIN 101 S | | | 1 4 | 51 10 510 LOSS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | G GAIN 0 0 0 4225 0 0 0 111 0 0 44442 0 0 637 | | | | D L S S S S S S S S S S S S S S S S S S | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 481 93 1023 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 63 0 0 0 | 7 10 70 LOSS GA 0 0 0 125 11 0 0 0 0 0 165 3 0 0 0 0 0 0 0 0 0 290 20 0.47 137 1 0 0 | 0.000 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 7 0 0 133 0 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 0 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 10 0 0 0 0 0 20 0 437 0 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 5303 7421 0.91 7443 | 158 0 0 0 0 93 0 282 0 0 0 |
| | CLG. HT. GRS.WALL AREA GLAZING NORTH EAST SOUTH WEST SKYLT. DOORS NET EXPOSED WALL NET EXPOSED WALL NET EXPOSED CLG EXPOSED CLG EXPOSED FLOOR BASEMENT/CRAWL HEAT LOSS SLAB ON GRADE HEAT LOSS SLAB ON GRADE HEAT LOSS SUBTOTAL HT GAIN LEVEL FACTOR / MULTIPLIER AIR CHANGE HEAT LOSS AIR CHANGE HEAT GAIN DUCT GAIN HEAT GAIN PEOPLE | 17.9 17.9 17.9 17.9 17.9 17.9 17.9 17.9 | 5.8 : 1.4 : 4.8 4 4.8 4 4.1.4 1.4 1.4 1.7 1.2 1.5 1.7 1.1 1.7 1.7 1.1 1.7 1.7 1.7 1.1 1.7 1.7 | 441 LO 334 LO 344 100 SSS GAIN 101 S | | | 1 4 | 51 10 510 LOSS 0 0 0 0 0 0 0 0 0 00 1821 0 0 0 00 0 1068 0 0 0 0 0 0 0 0 0 10 22 0 0 2911 1380 | G GAIN 0 0 0 4225 0 0 0 111 0 44442 0 0 637 | | | | D L S S S S S S S S S S S S S S S S S S | 35 12 420 OSS GAIN 161 143 0 0 0 0 0 0 481 93 198 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 7 0 0 0 63 0 0 0 0 | 7 10 70 LOSS GA 0 (0) 125 11 0 (0) 165 3 0 (0) 0 (0) 0 (0) 290 20 0.47 137 1 0 (0) 427 | 0.000 | 18 11 198 LOS 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 3 S GAIN 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 0 0 7 0 0 133 0 0 0 | 14 10 140 LOSS 0 0 0 125 0 0 348 0 0 0 0 473 | 0 0 0 290 0 0 67 0 0 0 0 0 | | | | | 0 0 0 0 0 20 123 0 0 | 15 10 143 OSS GAIN 0 0 0 0 0 0 0 0 0 481 93 321 62 0 0 0 0 0 0 0 0 0 155 | 10 0 0 0 0 0 20 0 437 0 0 | 168 10 1159 LOSS 0 179 0 0 0 481 0 1458 0 0 0 5303 7421 0.91 7443 | 158 0 0 0 0 93 0 282 0 0 0 |

TOTAL HEAT GAIN BTU/H:

35176

TONS: 2.93

LOSS DUE TO VENTILATION LOAD BTU/H: 2354

STRUCTURAL HEAT LOSS: 43232

TOTAL COMBINED HEAT LOSS BTU/H: 45586

Mhahad Kaula. INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE



| SITE | E NAME: | LECCO | RIDGE | | | | | | WUP | | | | | | | | | | | | | 1 | | |
|-------------------------------|----------|------------|----------|-----------|-------|-------|----------|-----------|-------------|------|-------|------------|-----------|--------|-------|----------|---------|---------|-------|-------|---------|-------------|---------------|------|
| : ಚರ್ಸ್ <u>B</u> I | UILDER: | GREEN | PARK HO | OMES | | | | TYPE: | JUNIPER | 3 | | | DATE: | Feb-17 | | | GFA: | 2765 | LO# | 72383 | | | | |
| | | | | | | | | | pressure | 0.6 | | | | | | | | | | | | 1, | | |
| HEATING CFM | 1131 | | | LING CFM | | | | | nace filter | 0.05 | | | | | | | | | #AMAN | 4 | | AFUE = 9 | 36.0 % | |
| | , - 1 | | | HEAT GAIN | | | | a/c coil | pressure | 0.2 | | | | | | | AMEC960 | 603BNA | 60 | | INPUT | (BTU/H) = 6 | 30,000 | |
| AIR FLOW RATE CFM | 26.16 | / | AIR FLOW | RATE CFM | 32.57 | | a | vailable | | | | | | | | | FAN | SPEED | | | OUTPUT | (BTU/H) = 5 | 57,600 | |
| | | · | | | | | | for | s/a & r/a | 0.35 | | | | | | | | LOW | | | | | | |
| RUN COUNT | 4th | 3rd | 2nd | 1st | Bas | | | | | | | | | | | | MI | EDLOW | | | DESI | IGN CFM = _ | | |
| S/A | 0 | 0 | 10 | 9 | 4 | | ple | enum pre | ssure s/a | 0.18 | | r/a | pressure | 0.17 | | | | MEDIUM | | | | CFM @ .6 | " E.S.P. | |
| R/A | 0 | 0 | 4 | 2 | 1 | | | | ess. loss | 0.03 | r/a | grille pro | ess. Loss | 0.02 | | | MEDIL | JM HIGH | | | | | | |
| All S/A diffusers 4"x10" unle | | | | out. | | | min adji | usted pre | ssure s/a | 0.15 | adj | usted pre | ssure r/a | 0.15 | | | | HIGH | 1131 | T | EMPERAT | URE RISE | 47 | . °F |
| All S/A runs 5"Ø unless not | ed other | wise on la | | | | | | | | | | | | | | | | | | | | | | |
| RUN # | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| ROOM NAME | MBR | ENS | ENS | BED-2 | BED-3 | BED-4 | BATH | BED-2 | BED-3 | | ENS-2 | LV/DN | LV/DN | KT/FM | KT/FM | KT/FM | LAUN | W/R | FOY | PANT | BAS | BAS | BAS | BAS |
| RM LOSS MBH. | 1.81 | 1.06 | 1.06 | 1.63 | 1.48 | 1.70 | 0.73 | 1.63 | 1.48 | | 1.12 | 1.91 | 1.91 | 1.43 | 1.43 | 1.43 | 2.45 | 0.43 | 2.19 | 0.70 | 3.92 | 3.92 | 3.92 | 3.92 |
| CEM PER RÛN HEAT | 47 | 28 | 28 | 43 | 39 | 44 | 19 | 43 | 39 | | 29 | 50 | 50 | 37 | 37 | 37 | 64 | 11 | 57 | 18 | 102 | 102 | 102 | 102 |
| RM GAIN MBH. | 3.94 | 1.33 | 1.33 | 2.39 | 2.18 | 2.48 | 0.46 | 2.39 | 2.18 | | 1.03 | 2.19 | 2.19 | 2.35 | 2.35 | 2.35 | 1.43 | 0.29 | 0.40 | 0.50 | 0.24 | 0.24 | 0.24 | 0.24 |
| CFM PER RUN COOLING | 128 | 43 | 43 | 78 | 71 | 81 | 15 | 78 | 71 | | 34 | 71 | 71 | 77 | 77 | 77 | 47 | 9 | 13 | 16 | 8 | 8 | 8 | 8 |
| ADJUSTED PRESSURE | 0.15 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.17 | 0.17 | 0.17 | | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.16 | 0.16 | 0.16 |
| ACTUAL DUCT LGH. | 39 | 51 | 45 | 48 | 52 | 32 | 26 | 52 | 55 | | 54 | 16 | 32 | 21 | 27 | 39 | 36 | 9 | 42 | 44 | 24 | 30 | 19 | 29 |
| EQUIVALENT LENGTH | 140 | 120 | 150 | 130 | 150 | 170 | 150 | 120 | 180 | | 110 | 80 | 110 | 160 | 110 | 150 | 170 | 110 | 110 | 130 | 190 | 130 | 90 | 120 |
| TOTAL EFFECTIVE LENGTH | 179 | 171 | 195 | 178 | 202 | 202 | 176 | 172 | 235 | | 164 | 96 | 142 | 181 | 137 | 189 | 206 | 119 | 152 | 174 | 214 | 160 | 109 | 149 |
| ADJUSTED PRESSURE | 0.08 | 0.1 | 0.09 | 0.1 | 0.09 | 0.08 | 0.1 | 0.1 | 0.07 | | 0.1 | 0.18 | 0.12 | 0.1 | 0.13 | 0.09 | 0.08 | 0.14 | 0.11 | 0.1 | 0.08 | 0.1 | 0.15 | 0.11 |
| ROUND DUÇT SIZE | 6 | 4 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 6 | 6 | 6 | 6 |
| HEATING VELOCITY (fl/min) | 240 | 321 | 321 | 316 | 286 | 323 | 218 | 316 | 286 | | 333 | 367 | 367 | 272 | 272 | 272 | 470 | 126 | 654 | 207 | 520 | 520 👵 | 520 | 520 |
| COOLING VELOCITY (fl/min) | 653 | 493 | 493 | 573 | 521 | 595 | 172 | 573 | 521 | | 390 | 521 | 521 | 565 | 565 | 565 | 345 | 103 | 149 | 184 | 41 | 41 | | 41 |
| OUTLET GRILL SIZE | 4X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 3X10 | 4X10 | 4X10 🖟 | 4X10 | 4X10 |
| TRUNK | В | A | Α | B | C | B | D | В. | C | | В | D | C | B | B | <u> </u> | A | D | C | Α | В | Α | . D | С |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| RUN# | | | | | | | | | | | | | | | | | | | | | | £., | | |

ROOM NAME RM LOSS MBH. CFM PER RUN HEAT RM GAIN MBH. CFM PER RUN COOLING ADJUSTED PRESSURE ACTUAL DUCT LGH. EQUIVALENT LENGTH TOTAL EFFECTIVE LENGTH ADJUSTED PRESSURE ROUND DUCT SIZE HEATING VELOCITY (ft/min) COOLING VELOCITY (fl/min) OUTLET GRILL SIZE TRUNK

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 3 **BUILDING DIVISION**

| SUPPLY AIR TRU | UNK SIZE | | | | | | | | | | | | | | | | | RETURN A | IR TRUNK | SIZE | | 74 | 10.4 | | |
|--|------------|---------|--------|-------|------|------|------|----------|-------|---------|-------|--------|-------|-------|-------|-------|----------|----------|----------|--------|-------|------|-----------|----|----------|
| | 4W/1-1 | TRUNK | STATIC | ROUND | RECT | | | VELOCITY | | | TRUNK | STATIC | ROUND | RECT | | | VELOCITY | | TRUNK | STATIC | ROUND | RECT | | | VELOCITY |
| | | CFM | PRESS. | DUCT | DUCT | | | (ft/min) | | | CFM | PRESS. | DUCT | DUCT | | | (ft/min) | | CFM | PRESS. | DUCT | DUCT | . #5-36 | | (ft/min) |
| | TRUNK A | 277 | 0.08 | 8.7 | 10 | X | 8 | 499 | | TRUNK G | 0 | 0.00 | 0 | 0 | X | 8 | 0 | TRUNK O | 0 | 0.05 | 0 | 0 | X | 8 | 0 |
| | TRUNK B | 659 | 0.08 | 12 | 18 | Х | 8 | 659 | | TRUNK H | 0 | 0.00 | 0 | 0 | X | 8 | 0 | TRUNK P | 0 | 0.05 | 0 | 0 | X | 8 | 0 |
| | TRUNK C | 287 | 0.07 | 9.1 | 10 | Х | 8 | 517 | | TRUNK I | 0 | 0.00 | 0 | 0 | Х | 8 | 0 | TRUNK Q | 0 | 0.05 | 0 | 0 | X | 8 | 0 |
| | TRUNK D | 469 | 0.07 | 10.9 | 14 | X | 8 | 603 | | TRUNK J | 0 | 0.00 | 0 | 0 | X | 8 | 0 | TRUNK R | 0 | 0.05 | 0 | 0 | x | 8 | 0 |
| 1 | TRUNK E | 0 | 0.00 | 0 | 0 | X | 8 | 0 | | TRUNK K | 0 | 0.00 | 0 | 0 | Х | 8 | 0 | TRUNK S | 0 | 0.05 | 0 | 0 | X | 8 | 0 |
| | TRUNK F | 0 | 0.00 | 0 | 0 | X | 8 | 0 | | TRUNK L | 0 | 0.00 | 0 | 0 | X | 8 | 0 | TRUNK T | 0 | 0.05 | 0 | 0 | X | 8 | 0 |
| | | | | | | | | | | | | | | | | | | TRUNK U | 0 | 0.05 | 0 | 0 | X | 8 | 0 |
| pinnen in a second and a second a second and | | | | | | | | | | | | | | | | | | TRUNK V | , 0 | 0.05 | 0 , | 0 | X | 8 | 0 |
| RETURN AIR # | Salak . Ta | . : 1 ' | . 2 | 3 | 4 | 5 | 6 | | | | | | | | | | BR | TRUNK W | 0 | 0.05 | . 0 | 0 | X | 8 | 0 |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | TRUNK X | 1131 | 0.05 | 16.5 | 32 | X | 8 | 636 |
| AIR VOLUME | | 185 | 85 | 75 | 95 | 205 | 290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 196 | TRUNK Y | 365 | 0.05 | 10.8 | 14 | X | 8 | 469 |
| PLENUM PRESS | | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | TRUNK Z | 270 | 0.05 | 9.7 | 12 | Χ | 8 | 405 |
| ACTUAL DUCT L | | 53 | 57 | 63 | 46 | 20 | 25 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 16 | DROP | 1131 | 0.05 | 16.5 | 24 | X | 10 | 679 |
| EQUIVALENT LE | | 140 | 175 | 210 | 175 | 135 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 145 | | | | | | 17 | | |
| TOTAL EFFECTIV | | 193 | 232 | 273 | 221 | 155 | 200 | . 1 | . 1 | 1. | 1 | . 1 | 1 | 1 | 1 | 1 | 161 | | | | | | | | |
| ADJUSTED PRES | | 0.08 | 0.06 | 0.05 | 0.07 | 0.10 | 0.07 | 14.80 | 14.80 | 14.80 | 14.80 | 14.80 | 14.80 | 14.80 | 14.80 | 14.80 | 0.09 | | | | | | | | |
| ROUND DUCT SI | | 7.5 | ,6 | 6 | 6 | 7.3 | 9.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7.4 | | | | | | r dingth. | | |
| INLET GRILL SIZ | 'E | 8 | 8 | 8 | - 8 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | Ü | 0 | 0 | 8 | | | | | | | | |
| | | X | X | X | X | X | X | X | X | X | X | X | X | Х | X | Х | X | | | | | | | | |
| INLET GRILL SIZ | Œ | 14 | 14 | 14 | 14 | 14 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | <u> </u> | | | | | | | |



TYPE: SITE NAME: JUNIPER 3

LECCO RIDGE

LO#

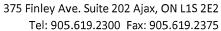
72383 WUP

RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY

| <u>a una la la Grandi di Sala di Sala di Sala di Sala di Sala di Sala di Sala di Sala di Sala di Sala di Sala di</u> | <u> Para la Albaria (11 de via de la Calabria de la Calabria).</u> | oftickytticanali in call |
|--|--|---|
| COMBUSTION APPLIANCES 9.32.3.1(1) | SUPPLEMENTAL VENTILATION CAPACITY | 9.32.3.5. |
| a) Direct vent (sealed combustion) only | Total Ventilation Capacity | 169.6 cfm |
| b) Positive venting induced draft (except fireplaces) | Less Principal Ventil. Capacity | 86 cfm = 22-3 |
| c) Natural draft, B-vent or induced draft gas fireplace | Required Supplemental Capacity | 83.6 cfm - Arab |
| d) Solid Fuel (including fireplaces) | | |
| | PRINCIPAL EXHAUST FAN CAPACITY | |
| e)No Combustion Appliances | Model: VANEE 40H+ | Location: BSMT |
| HEATING SYSTEM | 86.0 cfm 3.0 sones | ✓ HVI Approved |
| Forced Air Non Forced Air | PRINCIPAL EXHAUST HEAT LOSS CALCULATION CFM | FACTOR % LOSS |
| | 86.0 CFM X 72 F X | FACTOR % LOSS 1.08 X 0.35 |
| Electric Space Heat | | |
| | SUPPLEMENTAL FANS Location Model | NUTONE cfm HVI Sones |
| HOUSE TYPE 9.32.1(2) | ENS QTXEN050C | 50 🗸 0.3 |
| | BATH QTXEN050C | 50 ✓ 0.3 |
| Type a) or b) appliance only, no solid fuel | ENS-2 QTXEN050C W/R QTXEN050C | 50 |
| II Type I except with solid fuel (including fireplaces) | W/R QTXEN050C | 50 4 0.3 |
| | HEAT RECOVERY VENTILATOR | 9.32.3.11. |
| III Any Type c) appliance | Model: VANEE 40H+ | |
| IV Type I, or II with electric space heat | 86 cfm high | 37 cfm low |
| Type i, or in man declare space float. | 65 % Sensible Efficiency | HVI Approved |
| Other: Type I, II or IV no forced air | @ 32 deg F (0 deg C) | |
| | LOCATION OF INSTALLATION | RECEIVED |
| SYSTEM DESIGN OPTIONS O.N.H.W.P. | 1.50 | TOWN OF MILTON |
| 1 Exhaust only/Forced Air System | Lot: | MAR 29, 2017 |
| | Township | JUNIPER 3 |
| 2 HRV with Ducting/Forced Air System | Address | BUILDING DIVISION |
| 3 HRV Simplified/connected to forced air system | Address | |
| | | OWN OF MILTON |
| 4 HRV with Ducting/non forced air system | IVIII I UNI | AND DEVELOPMENT JUNIPER 3 MODEL |
| Part 6 Design | BUILDING: REVIE | |
| | Name: SCOTT SHERRIF | |
| TOTAL VENTILATION CAPACITY 9.32.3.3(1) | PLANS EXAMINER | DATE |
| 9.32.3.3(1) | | permit nor carrying out of |
| Basement + Master Bedroom2 @ 21.2 cfm42.4 cfm | City: full responsibility for com | of Milton relives the owner from pliance with the provisions of |
| | Code both as amended | e Act and the Ontario Building as well as other applicable |
| Other Bedrooms3 @ 10.6 cfm31.8 cfm | statutes and regulations | of the Province on Ontario, Halton and Town of Milton |
| Kitchen & Bathrooms 5 @ 10.6 cfm 53 cfm | INSTALLING CONTRACTOR | Halloff and Town of Million |
| Other Rooms <u>4</u> @ 10.6 cfm <u>42.4</u> cfm | Name: | |
| Table 9.32,3.A. TOTAL <u>169.6</u> cfm | Address: | |
| | City: | |
| PRINCIPAL VENTILATION CAPACITY REQUIRED 9.32.3.4.(1) | Tolophono # | a#. |
| 1 Bedroom 31.8 cfm | Telephone #: F | ax #: |
| | DESIGNER CERTIFICATION | |
| 2 Bedroom 47.7 cfm | I hereby certify that this ventilation system has been design accordance with the Ontario Building Code. | gned |
| 3 Bedroom 63.6 cfm | Name: HVAC Designs Ltd. | |
| 4 Bedroom 79.5 cfm | Signature: Mischarl | Offinhe. |
| 5 Bedroom 95.4 cfm | HRAI:# 4 | 001820 |
| More than 5 - Part 6 TOTAL 79.5 cfm | | bruary-17 |
| I REVIEW AND TAKE RESPONIBILITY FOR THE DESIGN WORK AND AM QUALIFIED IN THE APP | ROPRIATE CATEGORY AS AN "OTHER DESIGNER" UNDER DIVISION C, 3.2 | .5 OF THE BUILDING CODE. |

INDIVIDUAL BCIN: 19669

MICHAEL O'ROURKE







Web: www.hvacdesigns.ca E-mail: info@hvacdesigns.ca

HEAT LOSS AND GAIN SUMMARY SHEET

| MODEL: JUNIPER 3 | WUP | BUILDER: GREENPARK HON | ЛES |
|-------------------------------------|------------------|--------------------------------|---------------|
| SFQT: 2765 L | .0# 72383 | SITE: LECCO RIDGE | |
| DESIGN ASSUMPTIONS | | | |
| | | | |
| HEATING | °F | COOLING | *F • • |
| OUTDOOR DESIGN TEMP. | 0 100 | OUTDOOR DESIGN TEMP. | 86 |
| INDOOR DESIGN TEMP. | 72 | INDOOR DESIGN TEMP. (MAX 75°F) | 72 |
| BUILDING DATA | | | |
| ATTACHAENT | DETAGLIED | # OF STORIES (PASSAGENT) | |
| ATTACHMENT: | DETACHED | # OF STORIES (+BASEMENT): | 3 |
| FRONT FACES: | EAST | ASSUMED (Y/N): | Υ |
| ALD CHANCES DED HOUR. | 2.57 | ACCUMED (MAIN | V |
| AIR CHANGES PER HOUR: | 3.57 | ASSUMED (Y/N): | Υ |
| AIR TIGHTNESS CATEGORY: | AVERAGE | ASSUMED (Y/N): | Υ |
| WIND EXPOSURE: | SHELTERED | ASSUMED (Y/N): | Y |
| WIND EXI OSONE. | SHEELENED | A330MED (1/14). | ļ |
| HOUSE VOLUME (ft³): | 37957.5 | ASSUMED (Y/N): | Υ |
| INTERNAL SHADING: | BLINDS/CURTAINS | ASSUMED OCCUPANTS: | 5 |
| | | | _ |
| INTERIOR LIGHTING LOAD (Btu/h/ft²): | 1.27 | DC BRUSHLESS MOTOR (Y/N): | Υ |
| FOUNDATION CONFIGURATION | BCIN_1 | DEPTH BELOW GRADE: | 6.9 ft |
| | - | | |
| LENGTH: 46.0 ft WID | TH: 38.0 ft | EXPOSED PERIMETER: | 168.0 ft |

| 2012 OBC - COMPLIANCE PACKAGE | |
|--|----------------------------------|
| Component | Compliance Package ENERGYSTAR |
| Ceiling with Attic Space Minimum RSI (R)-Value | 50 |
| Ceiling Without Attic Space Minimum RSI (R)-Value | 31 |
| Exposed Floor Minimum RSI (R)-Value | 31 |
| Walls Above Grade Minimum RSI (R)-Value | 20 + 5 |
| Basement Walls Minimum RSI (R)-Value | 20 |
| Below Grade Slab Entire surface > 600 mm below grade Minimum RSI (R)-V | /alue |
| Edge of Below Grade Slab ≤ 600 mm Below Grade Minimum RSI (R)-Value | 10-1 |
| Heated Slab or Slab ≤ 600 mm below grade Minimum RSI (R)-Value | 10 |
| Windows and Sliding Glass Doors Maximum U-Value | RECEIVED ZONE 2 |
| Skylights Maximum U-Value | MAR 29, 2017 ZONE 2 |
| Space Heating Equipment Minimum AFUE | JUNIPER 3 0.95 |
| HRV Minimum Efficiency | BUILDING DIVISION 65% |
| Domestic Hot Water Heater Minimum EF | 90% TE |

INDIVIDUAL BCIN: 19669 MICHAEL O'ROURKE





HVAC Designs Ltd. 375 Finley Ave, Suite 202 Ajax ON, L1S 2E2 905-619-2300

Residential Foundation Thermal Load Calculator

Supplemental tool for CAN/CSA-F280

| y kajana di jihaja 👢 ji 🔾 We | eather Sta | tion Description |
|------------------------------|------------|-----------------------------------|
| Province: | Ontario | |
| Region: | Milton | |
| | Site D | escription |
| Soil Conductivity: | Normal c | onductivity: dry dand, loam, clay |
| Water Table: | Normal (| 7-10 m, 23-33 ft) |
| | Foundatio | n Dimensions |
| Floor Length (m): | 14.0 | |
| Floor Width (m): | 11.6 | |
| Exposed Perimeter (m): | 0.0 | |
| Wall Height (m): | 2.9 | |
| Depth Below Grade (m): | 2.1 | Insulation Configuration |
| Window Area (m²): | 0.9 | esset |
| Door Area (m²): | 3.7 | |
| | Radia | ant Slab |
| Heated Fraction of the Slab: | 0 | |
| Fluid Temperature (°C): | 33 | |
| | Design | n Months |
| Heating Month | 1 | |
| | Founda | tion Loads |
| Heating Load (Watts): | | 1554 |

TYPE: JUNIPER 3

WUP

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 3 BUILDING DIVISION





Air Infiltration Residential Load Calculator

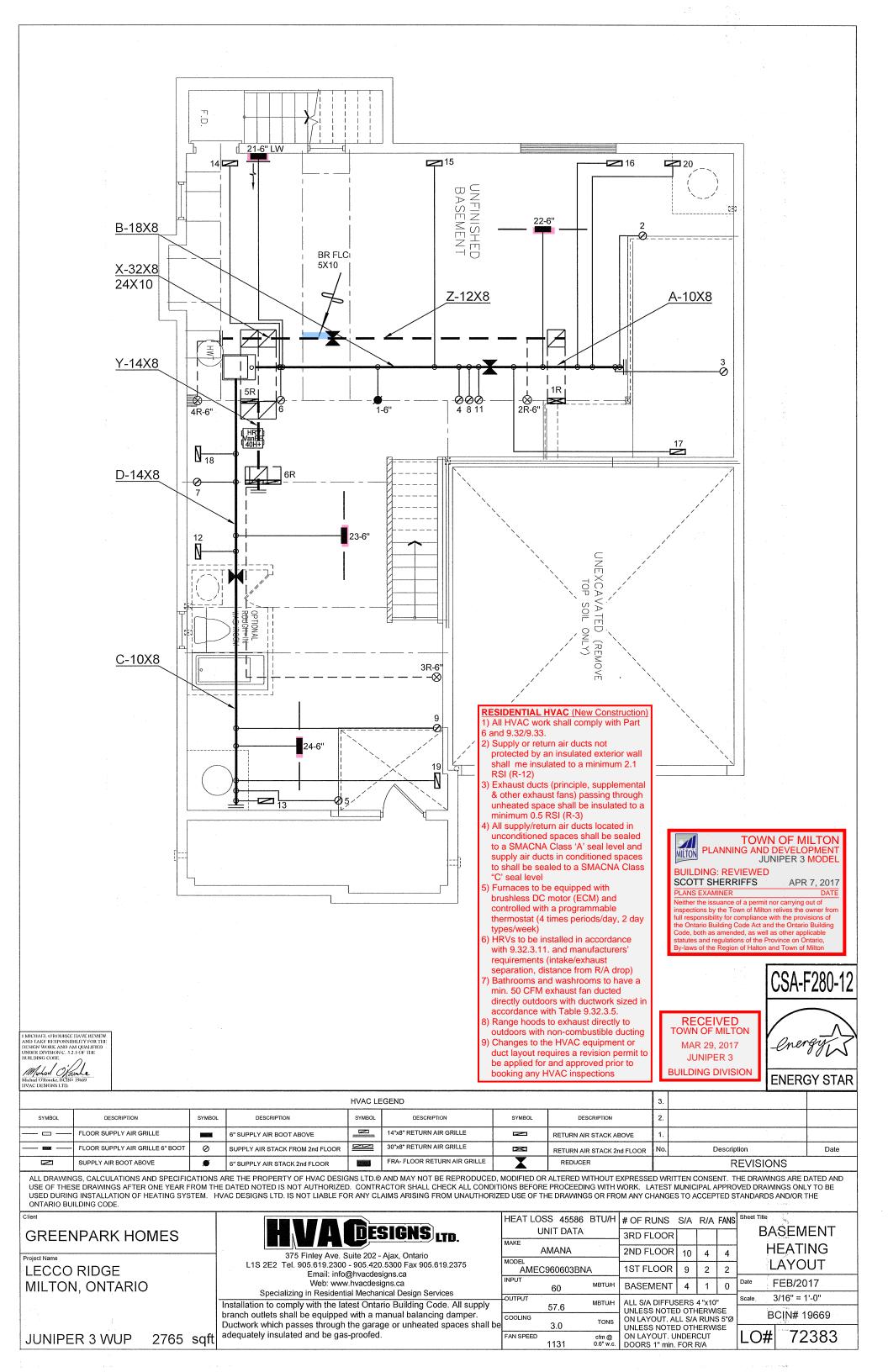
Supplemental tool for CAN/CSA-F280

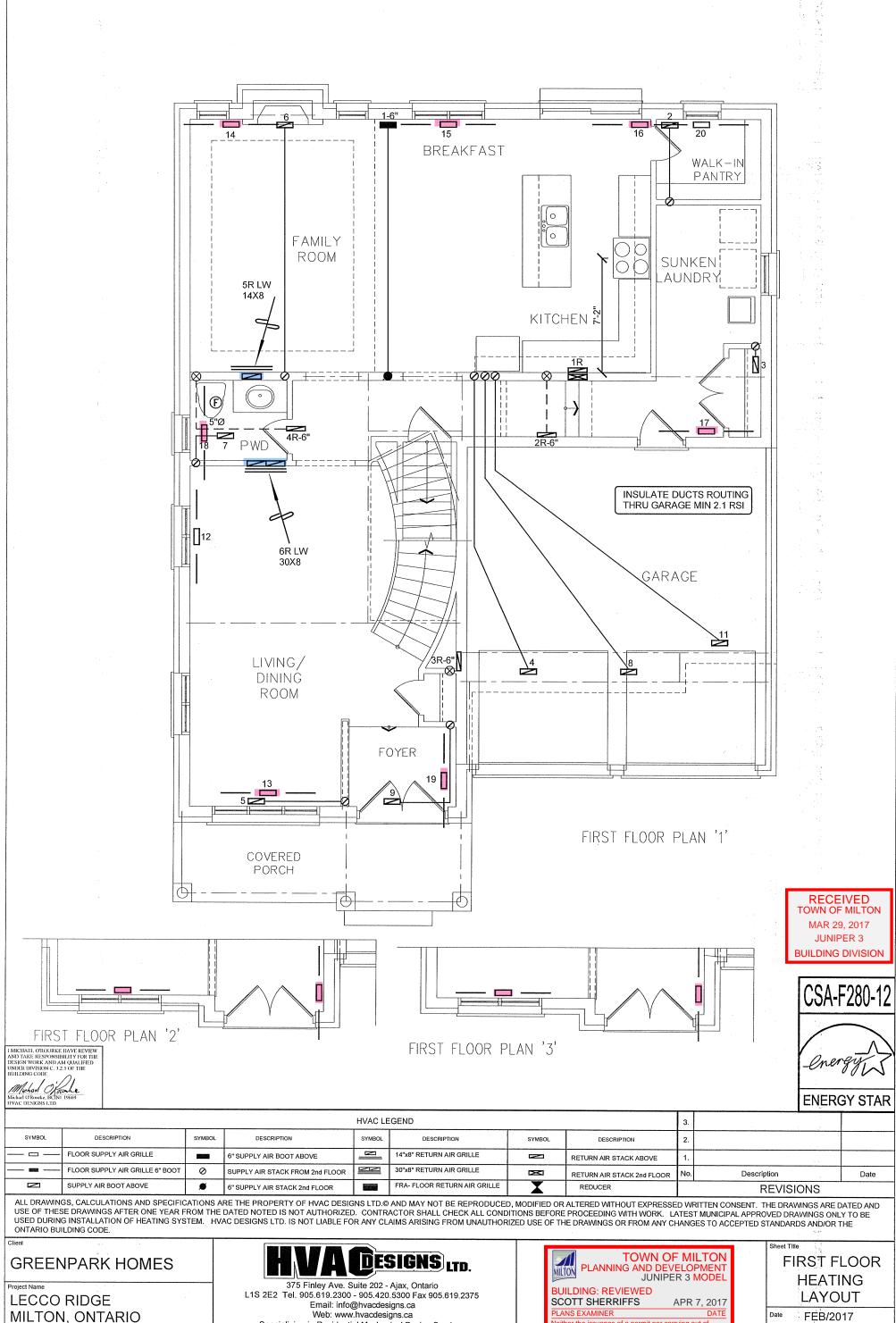
| Weath | ner Station Description |
|-------------------------------|-------------------------------------|
| Province: | Ontario |
| Region: | Milton |
| Weather Station Location: | Open flat terrain, grass |
| Anemometer height (m): | 10 |
| | Local Shielding |
| Building Site: | Suburban, forest |
| Walls: | Heavy |
| Flue: | Heavy |
| Highest Ceiling Height (m): | 6.58 |
| Bui | lding Configuration |
| Type: | Detached |
| Number of Stories: | Two |
| Foundation: | Full |
| House Volume (m³): | 1074.8 |
| Air I | eakage/Ventilation |
| Air Tightness Type: | Present (1961-) (3.57 ACH) |
| Custom BDT Data: | ELA @ 10 Pa. 1432.8 cm ² |
| | 3.57 ACH @ 50 Pa |
| Mechanical Ventilation (L/s): | Total Supply Total Exhaust |
| • | 40.6 40.6 |
| | Flue Size |
| Flue #: | #1 #2 #3 #4 |
| Diameter (mm): | 0 0 0 |
| Natu | ral Infiltration Rates |
| Heating Air Leakage Rate (A | ACH/H): 0.303 |
| Cooling Air Leakage Rate (A | ACH/H): 0.104 |

TYPE: JUNIPER 3 **LO#** 72383

WUP

RECEIVED TOWN OF MILTON MAR 29, 2017 JUNIPER 3 BUILDING DIVISION





JUNIPER 3 WUP 2765 sqft

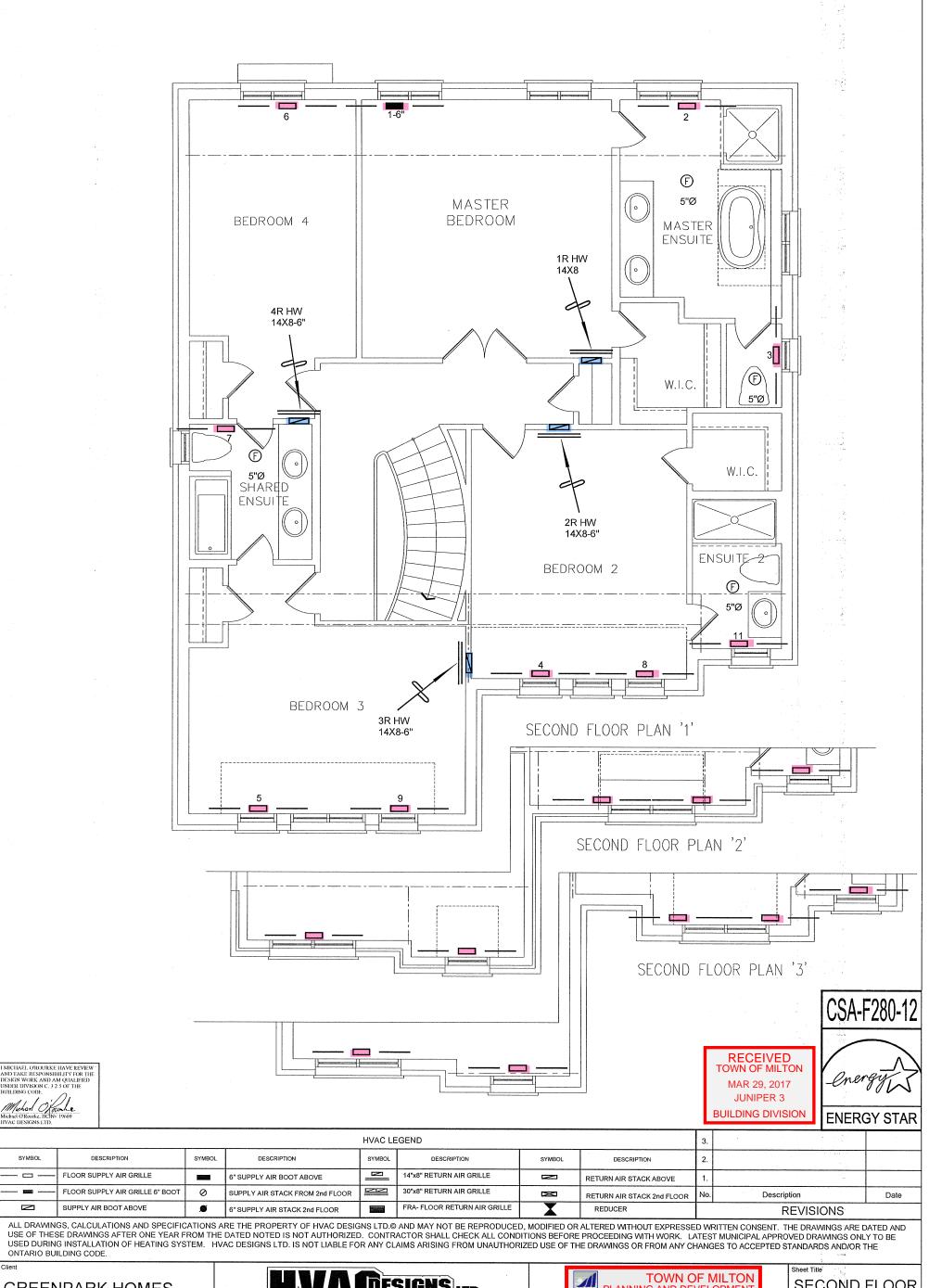
Specializing in Residential Mechanical Design Services Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.

Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner from full responsibility for compliance with the provisions of the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton

FEB/2017

3/16" = 1'-0" BCIN# 19669

72383



GREENPARK HOMES

LECCO RIDGE MILTON, ONTARIO

375 Finley Ave. Suite 202 - Ajax, Ontario L1S 2E2 Tel. 905.619.2300 - 905.420.5300 Fax 905.619.2375 Email: info@hvacdesigns.ca Web: www.hvacdesigns.ca

Specializing in Residential Mechanical Design Services

Installation to comply with the latest Ontario Building Code. All supply branch outlets shall be equipped with a manual balancing damper. Ductwork which passes through the garage or unheated spaces shall be adequately insulated and be gas-proofed.



BUILDING: REVIEWED

SCOTT SHERRIFFS PLANS EXAMINER

Neither the issuance of a permit nor carrying out of inspections by the Town of Milton relives the owner from full responsibility for compliance with the provisions of the Ontario Building Code Act and the Ontario Building Code, both as amended, as well as other applicable statutes and regulations of the Province on Ontario, By-laws of the Region of Halton and Town of Milton

APR 7, 2017

SECOND FLOOR **HEATING** LAYOUT

Date FEB/2017 3/16" = 1'-0" BCIN# 19669

72383

JUNIPER 3 WUP 2765 sqft