|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXTERNAL WALL LOAD** | | | | | | | | | | |
| **FIRST FLOOR** | | | | | | | | | | |
| **Space** | **Orientation** | **U** | **A(m^2)** | **CLTDsel** | **LM** | **k** | **Ti** | **Tave** | **CLTD adj** | **Q(W)** |
| Power House | E | 2.7144 | 22 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 1492.92 |
| Power House | N | 2.7144 | 16 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 564.5952 |
| Maintenance Office | N | 2.7144 | 5.8 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 204.66576 |
| Maintenance Office CR | N | 2.7144 | 5.04 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 177.847488 |
| Female Toilet | N | 2.7144 | 11.28 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 398.039616 |
| Male Toilet | N | 2.7144 | 11.28 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 398.039616 |
| MINOR OPERATING ROOM | N | 2.7144 | 13.6 | 13 | 2.22 | 0.65 | 22 | 30.45 | 14.343 | 479.90592 |
| Examination/Treatment AREA | N | 2.7144 | 19.6 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 691.62912 |
| Examination/Treatment AREA | W | 2.7144 | 29.6 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 2651.42592 |
| CR | N | 2.7144 | 8.08 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 285.120576 |
| Cadaver Holding Room | E | 2.7144 | 22.4 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 1520.064 |
| EMERGENCY ROOM | W | 2.7144 | 23.6 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 2113.97472 |
| HALLWAY | W | 2.7144 | 49.85 | 33 | -0.55 | 0.65 | 28 | 30.45 | 19.5425 | 4465.32372 |
| Work Area (laboratory) | E | 2.7144 | 21.6 | 25 | -0.55 | 0.65 | 22 | 30.45 | 20.3425 | 1465.776 |
| WAITING AREA (CR) | E | 2.7144 | 6.12 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 415.3032 |
| Film File Storage | E | 2.7144 | 6.04 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 409.8744 |
| Pressing Area | E | 2.7144 | 10 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 678.6 |
| Ultrasound | N | 2.7144 | 5.24 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 184.904928 |
| Ultrasound | W | 2.7144 | 19.2 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 1719.84384 |
| Ultrasound CR | N | 2.7144 | 6.4 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 225.83808 |
| Ultrasound CR | W | 2.7144 | 7.04 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 630.609408 |
| Cooking Area | S | 2.7144 | 12.52 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 747.654336 |
| Cooking Area | E | 2.7144 | 19.8 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 1343.628 |
| Dietician's Office | S | 2.7144 | 11.6 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 692.71488 |
| Dietician's Office CR | S | 2.7144 | 5.6 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 334.41408 |
| Staff Dining | S | 2.7144 | 26.12 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 1559.802816 |
| OPD clinic Ob-gyne | W | 2.7144 | 10.64 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 953.080128 |
| OPD clinic Ob-gyne | S | 2.7144 | 19.4 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 1158.50592 |
| CR | W | 2.7144 | 6.4 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 573.28128 |
| CR | S | 2.7144 | 6.84 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 408.462912 |
| Canteen | W | 2.7144 | 39.2 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 3511.34784 |
| Canteen | E | 2.7144 | 44.8 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 3040.128 |
| Canteen | S | 2.7144 | 50.8 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 3033.61344 |
| Washing Area | E | 2.7144 | 10.27 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 696.9222 |
|  |  |  |  |  |  |  |  |  | **Total Load:** | **39227.85734** |
|  |  |  |  |  |  |  |  |  |  |  |
| **SECOND FLOOR** | | | | | | | | | | |
| **Space** | **Orientation** | **U** | **A(m^2)** | **CLTDsel** | **LM** | **k** | **Ti** | **Tave** | **CLTD adj** | **Q(W)** |
| 5 Bed Ward E | E | 2.7144 | 26 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 1400.372532 |
| 5 Bed Ward N | N | 2.7144 | 19.38 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 728.2120117 |
| 5 Bed Ward | N | 2.7144 | 19.38 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 728.2120117 |
| Stairs N | N | 2.7144 | 43.2 | 13 | 2.22 | 0.65 | 28 | 30.45 | 8.343 | 978.3175334 |
| Stairs W | W | 2.7144 | 41.2 | 33 | -0.55 | 0.65 | 28 | 30.45 | 19.5425 | 2185.501874 |
| 5-Bed Ward | N | 2.7144 | 19.38 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 728.2120117 |
| 5-Bed Ward N | N | 2.7144 | 19.38 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 728.2120117 |
| 5-Bed Ward W | W | 2.7144 | 26 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 1767.359412 |
| Hallway (W) | W | 2.7144 | 9.7 | 33 | -0.55 | 0.65 | 28 | 30.45 | 19.5425 | 514.5477714 |
| Isolation room W | W | 2.7144 | 12.28 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 834.7374454 |
| Isolation room S | S | 2.7144 | 10.48 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 447.4130319 |
| Isolation room CR | W | 2.7144 | 7.48 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 478.0001398 |
| Private Room | W | 2.7144 | 9 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 611.778258 |
| Private Room | W | 2.7144 | 9 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 611.778258 |
| Private Room | W | 2.7144 | 9 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 611.778258 |
| Private Room | W | 2.7144 | 9 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 611.778258 |
| CSSR | W | 2.7144 | 13.05 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 833.9440941 |
| Sterile Supply Room N | N | 2.7144 | 12 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 402.0460704 |
| Sterile Supply Room W | W | 2.7144 | 10.58 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 676.101802 |
| Recovery Room W | W | 2.7144 | 30.4 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 2066.451005 |
| Recovery Room S | S | 2.7144 | 21.6 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 922.1489971 |
| Recovery Room CR | S | 2.7144 | 4.44 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 171.4749454 |
| Hallway (S) | S | 2.7144 | 19.2 | 22 | -3.88 | 0.65 | 28 | 30.45 | 10.228 | 533.0473574 |
| Lounge Area | S | 2.7144 | 21.2 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 905.0721638 |
| DR-1 | S | 2.7144 | 5.04 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 215.1680993 |
| DR-2 | S | 2.7144 | 5.04 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 215.1680993 |
| DR-3 | S | 2.7144 | 5.04 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 215.1680993 |
| Anesthesia Off. And Storage | S | 2.7144 | 9.8 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 378.4807354 |
| Sterile Storage | S | 2.7144 | 8.8 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 339.8602522 |
| Clean-up Room | S | 2.7144 | 10.4 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 401.6530253 |
| Sub-Ster Room | S | 2.7144 | 10.4 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 443.9976653 |
| Major Operating Room S | S | 2.7144 | 24 | 22 | -3.88 | 0.65 | 22 | 30.45 | 16.228 | 1057.182797 |
| Major Operating Room E | E | 2.7144 | 24 | 25 | -0.55 | 0.65 | 22 | 30.45 | 20.3425 | 1325.224368 |
| Fire Exit | E | 2.7144 | 7.4 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 398.5675668 |
| Delivery Room E | E | 2.7144 | 24 | 25 | -0.55 | 0.65 | 22 | 30.45 | 20.3425 | 1325.224368 |
| Delivery Room N | N | 2.7144 | 9.4 | 13 | 2.22 | 0.65 | 22 | 30.45 | 14.343 | 365.9668085 |
| Chief of Clinics | E | 2.7144 | 12.9 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 694.8002178 |
| Conference Room | E | 2.7144 | 20.4 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 1098.753833 |
| Chief of Hospital | E | 2.7144 | 8.16 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 439.5015331 |
| Reception (CR) | E | 2.7144 | 10.2 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 507.8465964 |
| Isolation Room S | S | 2.7144 | 12.28 | 22 | -0.55 | 0.65 | 22.5 | 30.45 | 17.8925 | 596.4076966 |
| Isolation Room E | E | 2.7144 | 8.88 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 478.2810802 |
| Isolation Room CR | E | 2.7144 | 7.84 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 390.3448349 |
|  |  |  |  |  |  |  |  |  | **Total Load:** | **31364.09493** |
|  |  |  |  |  |  |  |  |  |  |  |
| **THIRD FLOOR** | | | | | | | | | | |
| **Space** | **Orientation** | **U** | **A(m^2)** | **CLTDsel** | **LM** | **k** | **Ti** | **Tave** | **CLTD adj** | **Q(W)** |
| 5 Bed Ward E | E | 2.7144 | 26 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 1764.36 |
| 5 Bed Ward N | N | 2.7144 | 19.4 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 684.57168 |
| 5 Bed Ward | N | 2.7144 | 19.4 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 684.57168 |
| Stairs E | E | 2.7144 | 40.92 | 25 | -0.55 | 0.65 | 28 | 30.45 | 14.3425 | 2776.8312 |
| Stairs N | N | 2.7144 | 68 | 13 | 2.22 | 0.65 | 28 | 30.45 | 8.343 | 2399.5296 |
| Stairs W | W | 2.7144 | 40.92 | 33 | -0.55 | 0.65 | 28 | 30.45 | 19.5425 | 3665.417184 |
| 5 Bed Ward | N | 2.7144 | 19.4 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 684.57168 |
| 5 Bed Ward N | N | 2.7144 | 19.4 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 684.57168 |
| 5 Bed Ward W | W | 2.7144 | 26 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 2328.9552 |
| Hallway | W | 2.7144 | 9.7 | 33 | -0.55 | 0.65 | 28 | 30.45 | 19.5425 | 868.87944 |
| Isolation Room W | W | 2.7144 | 13.4 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 1200.30768 |
| Isolation Room CR | W | 2.7144 | 8.56 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 766.763712 |
| Isolation Room S | S | 2.7144 | 12 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 716.6016 |
| Private Room | W | 2.7144 | 10.6 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 949.49712 |
| Private Room | W | 2.7144 | 10.6 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 949.49712 |
| Private Room | W | 2.7144 | 10.6 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 949.49712 |
| Private Room | W | 2.7144 | 10.6 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 949.49712 |
| Solarium | W | 2.7144 | 11.65 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 1043.55108 |
| Admitting N | N | 2.7144 | 12 | 13 | 2.22 | 0.65 | 22.5 | 30.45 | 13.843 | 423.4464 |
| Admitting W | W | 2.7144 | 13.2 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 1182.39264 |
| Billing | W | 2.7144 | 13.2 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 1182.39264 |
| Cashier | W | 2.7144 | 10.4 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 931.58208 |
| Personel's Dining W | W | 2.7144 | 7.69 | 33 | -0.55 | 0.65 | 22.5 | 30.45 | 25.0425 | 688.833288 |
| Personel's Dining CR W | W | 2.7144 | 7.16 | 33 | -0.55 | 0.65 | 24 | 30.45 | 23.5425 | 641.358432 |
| Personel's Dining CR S | S | 2.7144 | 6 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 358.3008 |
| Personel's Dining S | S | 2.7144 | 20.4 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 1218.22272 |
| Stairs S | S | 2.7144 | 19.2 | 22 | -3.88 | 0.65 | 28 | 30.45 | 10.228 | 1146.56256 |
| Female Toilet | S | 2.7144 | 11.28 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 673.605504 |
| Male Toilet | S | 2.7144 | 11.28 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 673.605504 |
| Hallway S | S | 2.7144 | 24 | 22 | -3.88 | 0.65 | 28 | 30.45 | 10.228 | 1433.2032 |
| Water Tank S | S | 2.7144 | 48 | 22 | -3.88 | 0.65 | 24 | 30.45 | 14.228 | 2866.4064 |
| Water Tank E | E | 2.7144 | 61.6 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 4180.176 |
| Water Tank N | N | 2.7144 | 8.88 | 13 | 2.22 | 0.65 | 24 | 30.45 | 12.343 | 313.350336 |
| Solarium | E | 2.7144 | 11.67 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 791.9262 |
| Private Room | E | 2.7144 | 10.6 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 719.316 |
| Private Room | E | 2.7144 | 10.6 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 719.316 |
| Private Room | E | 2.7144 | 10.6 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 719.316 |
| Private Room | E | 2.7144 | 10.6 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 719.316 |
| Isolation Room S | S | 2.7144 | 8.88 | 22 | -3.88 | 0.65 | 22.5 | 30.45 | 15.728 | 530.285184 |
| Isolation Room E | E | 2.7144 | 13.4 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 909.324 |
| Isolation Room CR | E | 2.7144 | 9.04 | 25 | -0.55 | 0.65 | 24 | 30.45 | 18.3425 | 613.4544 |
| Fire Exit | E | 2.7144 | 7.4 | 25 | -0.55 | 0.65 | 22.5 | 30.45 | 19.8425 | 502.164 |
|  |  |  |  |  |  |  |  |  | **Total Load** | **48205.32818** |

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| **Summary of Data** | |
|  | **Q** |
| FIRST FLOOR | 39227.85734 |
| SECOND FLOOR | 31364.09493 |
| THIRD FLOOR | 48205.32818 |
| TOTAL | **118797.2805** |
|