|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ROOF LOAD** | | | | | | | |
| **THIRD FLOOR** | | | | | | | |
| TYPE 6, roof without suspended ceiling | | | | | | | |
| **SPACE** | **U** | **Area (m2)** | **CLTDmax** | **Ti** | **Tave** | **CLTDadj** | **Q(W)** |
| 5-Bed Ward 1 | **2.58438** | 34.2769 | 18 | 22.5 | 30.45 | 13.0875 | 1159.35 |
| 5-Bed Ward 2 | **2.58438** | 34.26 | 18 | 22.5 | 30.45 | 13.0875 | 1158.778 |
| Waiting Area 1 | **2.58438** | 37.4087 | 18 | 22.5 | 30.45 | 13.0875 | 1265.277 |
| Waiting Area 2 | **2.58438** | 37.4087 | 18 | 22.5 | 30.45 | 13.0875 | 1265.277 |
| 5-Bed Ward 3 | **2.58438** | 34.26 | 18 | 22.5 | 30.45 | 13.0875 | 1158.778 |
| 5-Bed Ward 4 | **2.58438** | 34.26 | 18 | 22.5 | 30.45 | 13.0875 | 1158.778 |
| Isolation Room 1 | **2.58438** | 10.1393 | 18 | 22.5 | 30.45 | 13.0875 | 342.9423 |
| Private Room 1 | **2.58438** | 13.9222 | 18 | 22.5 | 30.45 | 13.0875 | 470.8916 |
| Private Room 2 | **2.58438** | 13.8738 | 18 | 22.5 | 30.45 | 13.0875 | 469.2546 |
| Chief Nurse | **2.58438** | 30.712 | 18 | 22.5 | 30.45 | 13.0875 | 1038.774 |
| Treatment Room | **2.58438** | 17.9413 | 18 | 22.5 | 30.45 | 13.0875 | 606.8299 |
| Nurse Station | **2.58438** | 22.829 | 18 | 22.5 | 30.45 | 13.0875 | 772.1469 |
| Dirty Utility | **2.58438** | 4.7869 | 18 | 24 | 30.45 | 11.9625 | 147.9901 |
| Clean Linen | **2.58438** | 2.4581 | 18 | 24 | 30.45 | 11.9625 | 75.99375 |
| Private Room 3 | **2.58438** | 13.8735 | 18 | 22.5 | 30.45 | 13.0875 | 469.2444 |
| Private Room 4 | **2.58438** | 13.8928 | 18 | 22.5 | 30.45 | 13.0875 | 469.8972 |
| Isolation Room 2 | **2.58438** | 10.1716 | 18 | 22.5 | 30.45 | 13.0875 | 344.0348 |
| Private Room 5 | **2.58438** | 15.8619 | 18 | 22.5 | 30.45 | 13.0875 | 536.4982 |
| Private Room 6 | **2.58438** | 15.8619 | 18 | 22.5 | 30.45 | 13.0875 | 536.4982 |
| 3-Bed Ward 1 | **2.58438** | 24.783 | 18 | 22.5 | 30.45 | 13.0875 | 838.2372 |
| 3-Bed Ward 2 | **2.58438** | 24.8909 | 18 | 22.5 | 30.45 | 13.0875 | 841.8867 |
| Private Room 7 | **2.58438** | 13.6813 | 18 | 22.5 | 30.45 | 13.0875 | 462.7436 |
| Private Room 8 | **2.58438** | 13.7512 | 18 | 22.5 | 30.45 | 13.0875 | 465.1078 |
| Private Room 9 | **2.58438** | 16.0112 | 18 | 22.5 | 30.45 | 13.0875 | 541.548 |
| Private Room 10 | **2.58438** | 16.0112 | 18 | 22.5 | 30.45 | 13.0875 | 541.548 |
| Elevator | **2.58438** | 8.9651 | 18 | 22.5 | 30.45 | 13.0875 | 303.2272 |
| Private Room 11 | **2.58438** | 13.7512 | 18 | 22.5 | 30.45 | 13.0875 | 465.1078 |
| Private Room 12 | **2.58438** | 13.7512 | 18 | 22.5 | 30.45 | 13.0875 | 465.1078 |
| Waiting Area | **2.58438** | 23.4829 | 18 | 22.5 | 30.45 | 13.0875 | 794.2638 |
| Private Room 13 | **2.58438** | 10.7572 | 18 | 22.5 | 30.45 | 13.0875 | 363.8416 |
| Private Room 14 | **2.58438** | 11.315 | 18 | 22.5 | 30.45 | 13.0875 | 382.7081 |
| Solarium 1 | **2.58438** | 13.3083 | 18 | 22.5 | 30.45 | 13.0875 | 450.1276 |
| Stretcher's Wheelchair Nook 1 | **2.58438** | 11.0872 | 18 | 22.5 | 30.45 | 13.0875 | 375.0032 |
| Stretcher's Wheelchair Nook 2 | **2.58438** | 8.275 | 18 | 22.5 | 30.45 | 13.0875 | 279.8859 |
| Solarium 2 | **2.58438** | 13.4675 | 18 | 22.5 | 30.45 | 13.0875 | 455.5122 |
| Water Tank 1 and 2 | **2.58438** | 183.9438 | 18 | 24 | 30.45 | 11.9625 | 5686.741 |
| Chapel | **2.58438** | 58.8601 | 18 | 22.5 | 30.45 | 13.0875 | 1990.829 |
| Waiting Area | **2.58438** | 43.5914 | 18 | 22.5 | 30.45 | 13.0875 | 1474.395 |
| Admitting | **2.58438** | 10.9006 | 18 | 22.5 | 30.45 | 13.0875 | 368.6918 |
| Billing | **2.58438** | 10.7831 | 18 | 22.5 | 30.45 | 13.0875 | 364.7176 |
| Cashier | **2.58438** | 9.4163 | 18 | 22.5 | 30.45 | 13.0875 | 318.4882 |
| Personel's dining | **2.58438** | 26.9958 | 18 | 22.5 | 30.45 | 13.0875 | 913.0809 |
| Private Room 15 | **2.58438** | 11.2 | 18 | 22.5 | 30.45 | 13.0875 | 378.8184 |
| Private Room 16 | **2.58438** | 10.7 | 18 | 22.5 | 30.45 | 13.0875 | 361.9069 |
|  |  |  |  |  |  | **Total Load** | **33330.76** |

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| --- | --- |
| **Summary of Data** | |
|  | **Q** |
| FIRST FLOOR | 0 |
| SECOND FLOOR | 0 |
| THIRD FLOOR | 33330.7627 |
| TOTAL | **33330.7627** |
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