```
Company Name:
                                                                      10-01-21
 Block Load v1.0
                                                                      Page 1 of 2
 ************************************
                       Zone Name: CULVERS DINING
City Name : TAMPA *, FLORIDA Weight - Wall: 30 
Latitude (deg): 28 (lb/sqft) Roof: 40
Latitude (deg): 28
                                                 Bldg: 30
Color - Wall: LICHT
 Elevation (ft): 35
Indoor -Summor: 74 F 50 PH
   -Minter: 75 F
                                                               Poof: LICUT
TEMP TOTAL TONS RSH TONS CFM

1. JAN at 8 A.M. 67.2 6.84 4.32 2,483

2. FEB at 9 A.M. 71.2 7.75 4.73 2,717

3. APR at 10 A.M. 78.6 9.29 5.04 2,896

4. MAY at 2 P.M. 91.0 11.45 6.19 3,557

5. JUN at 5 P.M. 92.0 12.84 6.96 3,997

6. AUG at 5 P.M. 93.0 12.94 7.06 4,051

7. NOV at 11 A.M. 77.6 9.49 5.44 3,123

Heating Load (Btuh) = 36,797 W/Infil. = 36,797 Airflow 956 cfm
 ORIENTATION OF BUILDING N S E W RF TRANSMISSION FACTORS 0.20 0.20 0.20 0.20 0.05
Glass Fac.:1.13 Lights Fluorescent? Y Shade Fac.:0.65 Floors: 1
Length: 59 Width: 45 Height: 10 Vent Air Percent: 24
_____
                                                                                 DCI FLORIDA, INC.
                                                                                  Σ
                                                                                 LOAD BASED ON ASHRAE COOLING AND HEATING LOAD CALCULATION MANUAL.
Room sensible = 84,675 Room latent = 27,214 Plenum return exhaust credit = 0
--> GRAND TOTAL LOAD = 155,321 Btu/hr or 12.94 tons <--
                 Load run for # 6. AUG at 5 P.M.
Area (sq ft) = 2,655 Sq ft/ton = 205

Total cfm-std air= 4,051 Cfm/sq ft = 1.53
                HEATING LOAD
Ventilation load = 32,710 Roof heating load = 5,310
Glass heat load = 11,571 Wall heating load = 14,592
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Company Name:
                                                                          10-01-21
 Block Load v1.0
                                                                         Page 1 of 2
 ****************
                         Zone Name: CULVERS KITCHEN
 City Name : TAMPA *, FLORIDA Weight - Wall: 30 Latitude (deg): 28 (lb/sqft) Roof: 40
 Latitude (deg): 28
Elevation (ft): 35
                                                    Bldg: 30
Color - Wall: LIGHT
 Indoor -Summer: 74 F 50 RH
                                                        Roof: LIGHT
   -Winter: 75 F
TEMP TOTAL TONS RSH TONS CFM

1. JAN at 8 A.M. 67.2 8.25 6.88 3,951

2. FEB at 9 A.M. 71.2 8.88 7.04 4,041

3. APR at 10 A.M. 78.6 10.44 7.32 4,202

4. MAY at 2 P.M. 91.0 11.88 7.80 4,479

5. JUN at 5 P.M. 92.0 12.77 8.09 4,643

6. AUG at 5 P.M. 93.0 12.81 8.13 4,668

7. NOV at 11 A.M. 77.6 10.17 7.32 4,202

Heating Load (Btuh) = 20,958 W/Infil. = 20,958 Airflow 544 cfm
 ______
 ORIENTATION OF BUILDING N S E W RF TRANSMISSION FACTORS 0.16 0.16 0.16 0.16 0.05
 Glass Fac.:0.45 Lights Fluorescent? Y Shade Fac.:0.47 Floors: 1 Length: 45 Width: 48 Height: 10 Vent Air Percent: 19
MDCI FLORIDA, ING.
405 2nd Street South • Suite B
Safety Harbor, Florida 34695
 Room sensible = 97,553 Room latent = 4,860
Plenum return exhaust credit = 0
 --> GRAND TOTAL LOAD = 153,763 Btu/hr or 12.81 tons <--
                Load run for # 6. AUG at 5 P.M.
 Area (sq ft) = 2,160 Sq ft/ton = 169

Total cfm-std air= 4,668 Cfm/sq ft = 2.16
              HEATING LOAD
 Ventilation load = 35,165 Roof heating load = 4,320 Glass heat load = 0 Wall heating load = 11,904
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