

CHARLESTON PLACE

TENANT CALCULATION CHECK/DATA TABULATION SHEET(S)

DIRECTIONS FOR COMPLETION

GENERAL:

- I. All blanks on the form must be filled in.
- II. Forms must be completed by the Tenant's Mechanical or Electrical Engineer.
- III. The Project Architect/Manager is responsible for insuring mechanical and electrical coordination.
- IV. If the forms are not filled out or if they are not returned with the drawings for approval, the tenant documents will be considered as not received.

MECHANICAL:

- I. Only recognized ASHRAE methods are to be employed.
- II. The check sheet is not intended to be a calculation method but merely a standard summary of data as was used by the Tenant's design engineer. All factors provided are minimums.
- III. Heat loss calculations are not required as the heat gain calculations will dictate the heat pump size(s).

ELECTRICAL:

- I. All data presented shall be per NEC.

CHARLESTON PLACE

HEAT PUMP SPECIFICATIONS

TYPE "B" Model No. RC-090 (McQuay)
Nominal 3/4 Ton, Total BTUH = 9,000, 310 CFM
Physical Size: 20" long x 42" wide x 10-1/2" high
Outlet Duct Connection Size: 30-1/8" x 7"
Electrical Load: 0.82 KW at 277 volt, 1 phase

TYPE "C" Model No. CC-200 (McQuay)
Nominal 2 Ton, Total BTUH = 20,000, 820 CFM
Physical Size: 24" long x 30" wide x 16-1/4" high
Outlet Duct Connection Size: 9-3/8" x 9"
Electrical Load:
Compressor = 6.3 FLA at 277 Volt, 1 phase
Blower Fan = 12.1 FLA at 277 volt, 1 phase

TYPE "D" Model No. CC-500 (McQuay)
Nominal 4 Ton, Total BTUH = 50,000, 1800 CFM
Physical Size: 24" long x 47" wide x 20" high
Outlet Duct Connections Size: 13-1/4" x 7-1/4"
Electrical Load:
Compressor = 6.2 FLA at 480 volt, 3 phase
Blower Fan = 2.2 FLA at 277 volt, 1 phase

The packaged heat pump(s) requires a clear access opening in the ceiling below the unit for maintenance, filter replacement and removal/replacement of unit.

Unit Type	Minimum Opening (Clear)
"B"	36" x 48"
"C"	36" x 38"
"D"	36" x 54"

CHARLESTON PLACE

TENANT LOAD CALCULATION CHECK SHEET - MECHANICAL

TENANT _____ SUITE# _____

FLOOR AREA _____ SQ. FT. PRODUCT/SERVICE _____

COOLING LOAD CALCULATIONS

<u>ITEM</u>				<u>BTU/HR</u>
Lighting	_____ watts including ballast		x 3.41	= _____
Showcase lighting	_____ watts including ballast		x 3.41	= _____
Equipment	_____ watts		x 3.41	= _____
	OR _____ HP		x 2545	= _____
People	<u>sq. ft. floor area</u> x 250			= _____
	75 sq. ft./person			
Exterior walls (without glass)	_____ linear feet		x 30	= _____
Exterior walls (with glass)				
	East = _____ linear feet	x 180	=	_____
	South = _____ linear feet	x 180	=	_____
	North = _____ linear feet	x 180	=	_____
	West = _____ linear feet	x 1820	=	_____
Ventilation	<u>sq. ft. floor area</u> x 195			
	75 sq. ft./person			
	(Allow minimum of 2,000 BTU/Hr.)			= _____
			TOTALS	= _____

HEAT PUMP SELECTION:

	Quantity
(Furnished by Landlord, Installed by Tenant) Requested	
Type "B", Nominal 3/4 Ton, Total BTUH = 9,000	_____
Type "C", Nominal 2 Ton, Total BTUH = 20,000	_____
Type "D", Nominal 4 Ton, Total BTUH = 50,000	_____

ELECTRICAL DATA TABULATION SHEET

CHARLESTON PLACE

TENANT'S NAME _____ SUITE NO. _____

AREA (SQ. FT.) MAIN FLOOR _____ MEZZANINE _____

LOAD TYPE:

CONNECTED KW:

SPACE LIGHTING _____

SHOWCASE LIGHTING _____

SIGN LIGHTING _____

RECEPTACLES _____

WATER HEATING (Food & Beverage Tenants Only) _____

**SPECIAL APPLIANCES OR EQUIPMENT _____

MISCELLANEOUS (INDICATE) _____

HEAT PUMP - AIR CONDITIONING (HP, KW OR FLA) _____

EXHAUST HOOD FAN(S) (Food & Beverage Tenants Only) _____

MAKE-UP AIR FAN(S) (Food & Beverage Tenants Only) _____

LARGEST MOTOR _____ TOTAL MOTOR (HP) _____

TRANSFORMER SIZE (KW or KVA - INDICATE) _____

TOTAL CONNECTED LOAD (KW) _____

TOTAL SIMULTANEOUS LOAD (KW) _____
(MAINTAINED AT 3 HRS. OR MORE)

**Identify location on plan and exact function, include separate sheet outlining equipment name, location, KW or HP, etc.

PREPARED & CERTIFIED BY: _____

Do Not Write Below This Line

480/277 VOLT, 3 PH, 4 W SERVICE PROVIDED BY THE TENANT (LTG, & PWR)

CONDUCTORS _____ CONDUIT _____

SWITCH _____ FUSE _____

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CONSTRUCTION INFORMATION FORM

To be completed, signed and returned to Landlord pursuant to Exhibit "B", Section V, Paragraph B of the Lease.

Tenant Coordinator _____
RE: _____

1. General Contractor: _____
Address: _____
Phone: _____

2. Mechanical Contractor: _____
Address: _____
Phone: _____

3. Plumbing Contractor: _____
Address: _____
Phone: _____

4. Electrical Contractor: _____
Address: _____
Phone: _____

5. Sprinkler Contractor: _____
Address: _____
Phone: _____

6. Commencement Date of construction: _____

7. Estimated date of completion: _____

8. Estimated date of fixturing: _____

9. Estimated date of projected opening: _____

10. Evidence of insurance as set forth in Section V, Item G, Exhibit "B" of the Lease Agreement.

Tenant's Signature: _____

Date: _____

Landlord Approval: _____

Date: _____

NOTE: LANDLORD'S APPROVAL MUST BE OBTAINED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.