

Application of Demand Factor: (NEC 220-32)		
1	First 10KVA at 100%	10,000
2	Remaining Load at 40%	43,144
3	Electric Space Heating at 65% (<4), 40% (>4)	17,400
Total Load:		70,544
Total amp at 208V, 3 phase		196

SCALE: NTS

RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE.

ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 15A/1P 120VAC CIRCUIT FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES OF SMOKE ALARMS.

ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DPT (DOUBLE POLE DOUBLE THROW) TRANSFER RAY WITH 120 VOLT, 69A2, COIL, 20AMP/120 VOLT CONTACT RATINGS AND NEAR 1 ENCLOSURE IN THE UNIT FOR THE WIRE FINE AND THE DESIGNATED SMOKE ALARMS RECEPTACLE. THE TRANSFER RAY SHALL BE INSTALLED IN ACCORDANCE TO THE EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULES FOR THE CIRCUITING REQUIREMENT OFF OF THE ELECTRICAL PANEL DEDICATED FOR OPTIONAL STANDBY LOAD.

RECEPTACLE NOTED IS TO BE BOCCI - 22 SYSTEM FLUSH MOUNTED OUTLETS. SUPPLY AND INSTALL DEAD FROM SELF-TEST GFCI SWITCH TO PROVIDE GROUND FAULT PROTECTION TO THE BOCCI - 22 SYSTEM FLUSH MOUNTED OUTLETS. EXACT LOCATION OF THE DEAD FROM SELF-TEST GFCI SWITCH IS TO BE CONFIRMED WITH INTERIOR DESIGNER PRIOR TO INSTALLATION.

SUPPLY AND INSTALL WALL MOUNTED J-BOX INSTALLATION OF IN-DOORERS RECEPTABLES. IN-DOORERS RECEPTABLES ARE TO BE SUPPLIED AND INSTALLED BY OTHERS.

EXISTING FANS NOTED ARE TO BE CONTROLLED BY THE LIGHT SWITCH LOCATED IN THE ROOM.

A. DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK. DIMENSIONS, MATERIALS, AND CONSTRUCTION SHALL BE SHOWN EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY MEASUREMENTS PERTAINING THERETO AND ASSUME RESPONSIBILITY THEREFOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION BEFORE PROCEEDING WITH WORK.

B. WORK SHALL INCLUDE CONDUIT, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED. REFER TO ELECTRICAL CONNECTION SCHEDULE FOR CONDUIT, WIRING, COPD, DISCONNECT REQUIREMENTS.

C. VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT PROVIDED BY OTHERS.

D. ELECTRICAL CONDUITS IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH ARCHITECT AND USE OF WALLS AND CEILING SPACES LOCATIONS OF ELECTRICAL CONNECTIONS IN FINISHED SPACES SHALL BE APPROVED BY ARCHITECT PRIOR TO ROUGH-IN.

E. REFER TO MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING EQUIPMENT.

F. PROVIDE CONDUIT, WIRE, AND J-BOXES FOR CIRCUITING SHOWN. QUANTITY AND SIZES OF J-BOXES TO BE DETERMINED BY CONTRACTOR.

G. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL OTHER ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS WILL BE REPAIRED IMMEDIATELY. THERE WILL BE NO DISRUPTION OF SERVICE OUTSIDE OF CONSTRUCTION ZONE AREA.

H. PROJECT TIME BEING PROTECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AT RISK PORTS, ROUTE OR DISMOUNTED ABOUT BETWEEN STRUCTURAL DECK AND RAISED PAVERS. SECURE PORT AND SLOPE CONDUIT PER CODE.

Feed Through Lugs:

UNIT PLAN - A LOAD SUMMARY				
Total Amps: 366 A 342 A 289 A				
Load Classification	Connected Load	*Demand Factor	Estimated Demand	Panel Totals
Other	1150 VA		1150 VA	
RCPTS	33920 VA		21960 VA	Total Conn. Load: 117995 VA
Spare	1000 VA		1000 VA	Total Est. Demand: 104785 VA
STRS	15000 VA		19750 VA	Total Conn.: 326 A
HEAT	10400 VA		10400 VA	Total Est. Demand: 305 A
MISC	35285 VA		35285 VA	
Power	180 VA		180 VA	
HVAC	21060 VA		21060 VA	

REFER TO UNIT O LOAD CALCULATION (DETAIL 2, E2.4.O).



TOWER C

0 1' 2' 3' 4' 8' 12'

E2.4.O