

Unit N		4,245 sq.ft.			
Load Description		VA/sq.ft. (or quantity)	VA	Total VA	
1	General Lighting				
a.	General lighting & receptacles	3	12,735		
b.	Small appliances (2 each)	3	2,400		
c.	Laundry circuit	1	1,500		
	Total		16,735	16,735	
2	Fixed Appliances		35,345	35,345	
3	Cooking (Electric)		8,000	8,000	
4	Clothes Dryer	1	5,000	5,000	
5	HVAC				
a.	FDU	6	48,000		
b.	BATHROOM EF	10	500		
c.	MUA (LARGE)	1	16,000		
d.	-	-	-		
e.	-	-	-		
f.	-	-	-		
g.	-	-	-		
h.	-	-	-		
i.	-	-	-		
j.	-	-	-		
k.	-	-	-		
l.	Watts per square foot		21,300	21,300	
	Total		21,300	68,380	
Application of Demand Factor (NEC 220-2)					
1	Final 100% load at 100%			10,000	
2	Remaining load at 40%			22,850	
3	Air Conditioning at 100%			21,300	
	Total Load			54,150	
	Total amp at 208V, 3 phase			150	

SCALE: NTS

1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP
2 SURFACE.
3 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DEDICATED 50A/120VAC CIRCUIT
4 FOR SMOKE ALARMS IN DWELLING UNIT. CONNECT ALL SMOKE ALARMS IN RESPECTIVE
5 UNIT TO THE DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION
6 AND WIRING OF SMOKE ALARMS.
7 ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DEDICATED DOUBLE POLE
8 SWITCH TRANSFERRER WITH 120 VOLT, 50-AMP, 20-AMP/10-AMP VOLT CONTACT RATINGS
9 AND 10-AMP/5-AMP VOLT CONTACT RATINGS TO BE USED TO CONTROL THE FOLLOWING
10 DUREX RECEPTACLE, SUCH THAT FAILURE OF UTILITY POWER WILL TRANSFER THE LOAD
11 TO THE EMERGENCY CIRCUIT. THE DEDICATED CIRCUIT SHALL BE INSTALLED IN ACCORDANCE
12 WITH THE REQUIREMENT OF THE ELECTRICAL PLAN, DEDICATED FOR OPTIONAL, STAND-BY
13 LOAD.
14 RECEPTACLE NOTED TO BE ROOM# 22-SYSTEM ISLAND MOUNTED OUTLETS, SUPPLY AND
15 INSTALL DEDICATED FRONT-SELF-GOING SWITCH TO PROVIDE GROUND FAULT PROTECTION
16 TO THE SYSTEM. THE SYSTEM SHALL BE CONTROLLED BY THE INTERIOR DESIGNER FOR
17 FRONT-SELF-GOING SWITCH (TO BE CONFIRMED) BY THE INTERIOR DESIGNER PRIOR TO
18 INSTALLATION.
19 SUPPLY AND INSTALL WALL MOUNTED 4-BANK COMBINATION OF 15-AMPERE RECEPTACLES,
20 IN DRAWERS RECEPTACLE ARE TO BE SUPPLIED AND INSTALLED BY OTHERS.
21 EXHAUST FANS NOTED ARE TO BE CONTROLLED BY THE LIGHTS SWITCH LOCATED IN THE
22

DRAWINGS ARE INTENDED TO SHOW GENERAL ARRANGEMENT, DESIGN, AND EXTENT OF WORK. DIMENSIONS AND MATERIALS ARE NOT INTENDED TO SHOW EXACT LOCATIONS EXCEPT WHERE DIMENSIONS ARE SHOWN. ELECTRICAL WORK IS SHOWN ON PLANS USING STANDARD INDUSTRY SYMBOLS. BEFORE ORDERING MATERIALS OR DOING WORK, VERIFY ALL DIMENSIONS AND MATERIALS SHOWN ON DRAWINGS. IF THERE ARE THEREFORE, ANY SUBSTANTIAL DIFFERENCES BETWEEN DRAWINGS AND CONDITIONS IN THE FIELD SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR CONSIDERATION AND APPROVAL.

B. WORK PERFORMED INCLUDES LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO INSTALL A COMPLETE ELECTRICAL SYSTEM AS INDICATED ON THESE DRAWINGS AND AS SPECIFIED BY THE NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA) AND THE NATIONAL BULBING ELECTRICAL CONTRACTORS ASSOCIATION (NIBEC).

C. DISCONNECT REQUIREMENTS

VERIFY EQUIPMENT SIZES AND POWER REQUIREMENTS FOR EQUIPMENT COORDINATE WITH ELECTRICAL CONDITIONS IN FINISHED SPACES SHALL BE CONCEALED. COORDINATE WITH OTHER TRADES AND USE COMMON SENSE TO DETERMINE THE BEST LOCATION FOR THE EQUIPMENT. EQUIPMENT IN FINISHED SPACES SHALL BE APPROVED BY ARCHITECT PRIOR TO JOINT-BUR.

F. REFLECT MECHANICAL AND PLUMBING PLANS FOR EXACT LOCATION OF HVAC/PLUMBING AND EQUIPMENT.

G. PROVIDE CONDUIT, WIRE AND BOXES FOR CIRCUITS SHOWN. QUANTITY AND SIZES OF BOXES TO BE DETERMINED BY CONTRACTOR.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR OF ANY ELECTRICAL CIRCUITS AFFECTED BY CONSTRUCTION. SUCH CIRCUITS SHALL BE REPAIRED IMMEDIATELY. THERE WILL BE NO CHARGE TO THE CONTRACTOR FOR REPAIR OF ANY ELECTRICAL CIRCUITS. PROVIDE TAPEMER PROOF RECEPTACLES IN RESIDENTIAL UNITS.

I. AT FINISHES, ROUTE TO LOCATION COUNTED CONDUIT BETWEEN STRUCTURAL DECK AND FINISHES TO BE SECURED, PROTECTED, AND IDENTIFIED BY THE CONTRACTOR.

