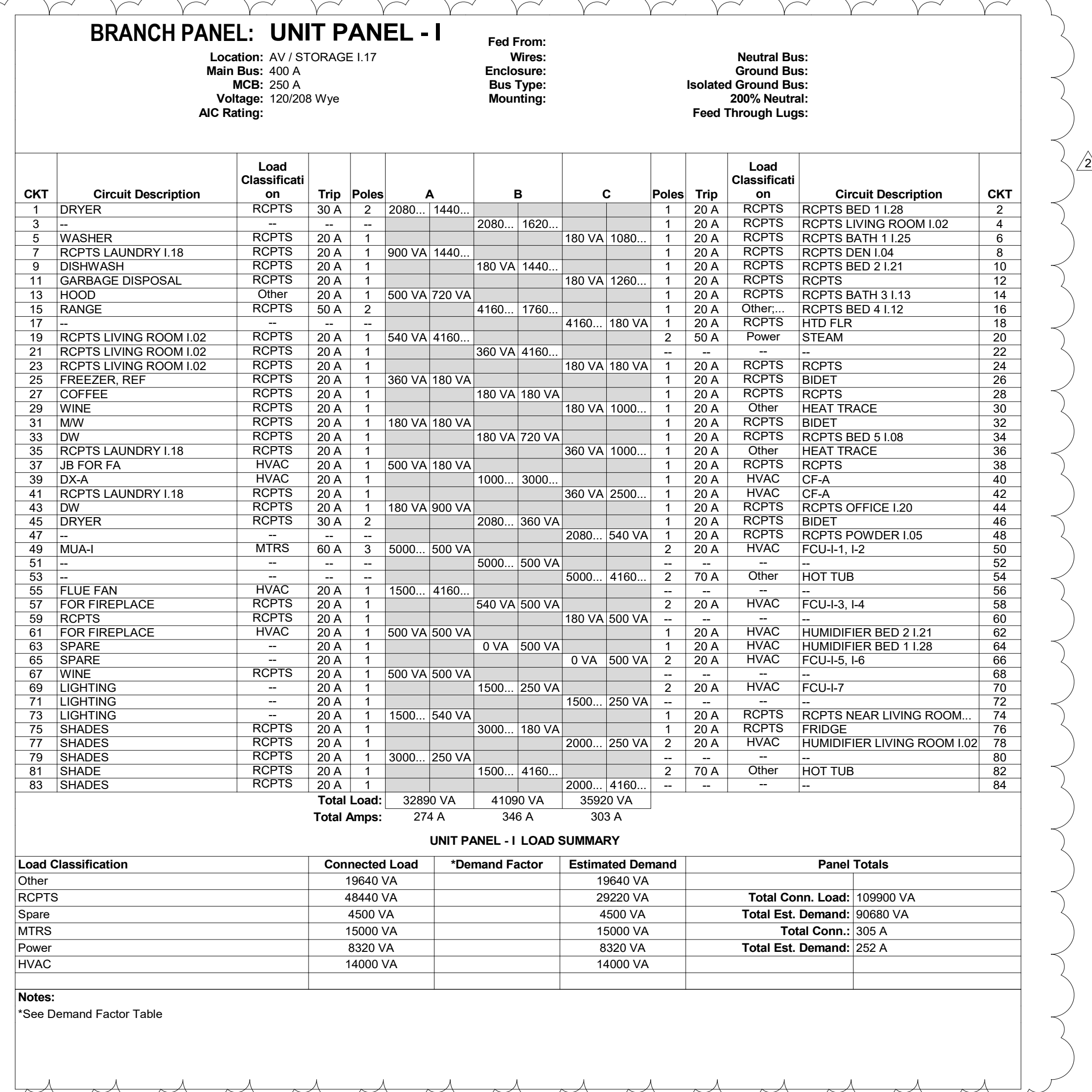




Unit I		5,326 sq.ft.	Vault ¹ / ₂ (or quantity)	Vault	Total VA
1	Load Description				
a.	General Lighting	3		15,978	
b.	Small appliances & receptacles	3		3,450	
c.	Laundry circuit	2		1,000	
	Total			23,478	23,478
2	Fixed Appliances:			58,545	58,545
3	Cooking (Electric)	1		8,000	8,000
4	Clothes Dryer	2		5,000	10,000
5	HVAC				
a.	FCU	8		6,800	
b.	BATHROOM EF	11		550	
c.	0			-	
d.	0			-	
e.	0			-	
f.	0			-	
g.	MUA (Large)	1		16,000	
h.	MUA (Small)			-	
i.	=			-	
j.	=			-	
k.	0			-	
l.	Watts per square foot			-	
	Total			23,350	23,350
	Load:				1,23,373
Application of Demand Factor: (NEC 220-2)					
1	First 30kVA at 100%				10,000
2	Remaining Load at 40%				36,000
	Total				23,350
3	Load Conditioning at 100%				69,393
	Total amp at 208V, 3 phase				193

2

UNIT LOAD CALCULATION - UNIT I

SCALE: INTS

- 1 RECEPTACLE MOUNTED ON SIDE OF ISLAND NOT MORE THAN 12" BELOW COUNTER TOP SURFACE
ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL A DESIGNATED 15AMP 120VAC CIRCUIT FOR
THIS ISLAND IN DWELLING UNIT. CONTRACTOR TO PROVIDE GROUND FAULT PROTECTION (GFCI) FOR
THIS ISLAND. CONTRACTOR TO PROVIDE A DEDICATED CIRCUIT FOR THIS ISLAND. CONTRACTOR TO
DEDICATED CIRCUIT. REFER TO FIRE SUPPRESSION DRAWINGS FOR LOCATION AND QUANTITIES
OF SMOKE ALARMS.
- 2 RECEPTACLE NOTED IS RECEPTACLE 200V-220V SYSTEM FURNISHED OUTLETS. PROTECTION AND
INSTALLATION SHALL BE THE RESPONSIBILITY OF THE OWNER. CONTRACTOR TO PROVIDE GROUND FAULT PROTECTION (GFCI) FOR
200V-220V SYSTEM FURNISHED OUTLETS. EXACT LOCATION OF THE BEAD FRONT SWITCH
GFCI SWITCH TO BE CONFORMED WITH INTERIOR DESIGNER PREFERENCE TO THE LOCATION.
ELECTRICAL CONTRACTOR TO SUPPLY AND INSTALL TWO (2) DOUBLE POLE DOUBLE
THROW TRANSFER RELAY WITH 120/20V, 60HZ, COIL, 20AMP/120V ULT CIRCUIT RATINGS AND
NEMA 1 ENCLOSURE IN THE UNIT FOR THE FIRE ALARM AND THE DESIGNATED DUPLEX
OUTLET. SUCH THAT THE UNIT SHALL BE IN THE UNIT FOR THE FIRE ALARM AND THE
EMERGENCY CIRCUIT. REFER TO THE PANEL SCHEDULE FOR THE CIRCUITING REQUIREMENT OF
THE ELECTRICAL PANEL. DRIVERS RECEPTACLES SHALL BE INSTALLED BY THE
ELECTRICAL CONTRACTOR. WALL MOUNTED 400V INSTALLED IN DRIVERS RECEPTACLES
IN DRIVERS RECEPTACLES ARE TO BE SUPPLIED AND INSTALLED BY OTHERS.
- 3 EXHAUST FANS NOTED ARE TO BE CONTROLLED BY THE LIGHT SWITCH LOCATED IN THE ROOM.

