

Sam's Liquor Locker
 Our Bid #: D12754
 Client: Bud Atkins
 Date Prepared: 9/09/2007

PANEL LOAD CALCULATION: LVP-2

| | | |
|------------------------------|--|----------------------------------|
| Location: Main Electric Room | Panel AIC Rating: | Panel Bus Amps: 400 |
| Brand: Square-D | Model #: QOML50042 | Breaker Style: QO |
| Main Type: Lugs | Main Breaker Amps: | Poles: 42 |
| Fed From: Main Switchboard | Feeder OCP Amps: 400 | Feeder OCP: Inverse time breaker |
| Occupancy Type: All Others | System Rating: 208/120v 3 Phase 4 Wire | |

GENERAL LIGHTING LOAD: (NEC 220.42)

| | | | |
|--------------------------------------|----------|----------|----------|
| Total Continuous Connected Load: | 16,800.0 | | |
| 25% of Continuous Connected Load: | 4,200.0 | | |
| Total Non-Continuous Connected Load: | 0.0 | | |
| | <hr/> | | |
| Total Connected Load: | 21,000.0 | | |
| Total VA @ 100%: | | 21,000.0 | |
| General Lighting Demand Load: | | | 21,000.0 |

GENERAL RECEPTACLE LOAD: (NEC 220.44)

| | | | |
|---------------------------------|----------|----------|----------|
| Total Connected Load: | 25,200.0 | | |
| First 10,000 or less @ 100%: | | 10,000.0 | |
| Remainder over 10,000 @ 50%: | | 7,600.0 | |
| General Receptacle Demand Load: | | | 17,600.0 |

CONTINUOUS LIGHTING LOAD: (NEC 215.2)

| | | | |
|-----------------------------------|---------|--|---------|
| Total Connected Load: | 4,000.0 | | |
| 25% of Continuous Connected Load: | 1,000.0 | | |
| | <hr/> | | |
| Total VA @ 125%: | 5,000.0 | | |
| Continuous Lighting Demand Load: | | | 5,000.0 |

HEATING AND COOLING LOAD: (NEC 220.60)

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|------------------------------------|----------|--|----------|
| Heating Load: | 50,000.0 | | |
| Cooling Load: | 0.0 | | |
| Larger of Heating or Cooling Load: | | | 50,000.0 |

DRYER LOAD: (NEC 220.54)

| | | | |
|--|------|--|-----|
| Total Connected Load: | 0.0 | | |
| Quantity of Dryers: 0 | | | |
| Demand Factor Percent Multiplier: (0%) | 0.00 | | |
| Dryer Demand Load: | | | 0.0 |

KITCHEN EQUIPMENT LOAD: (NEC 220.56)

| | | |
|--|-----|-----|
| Total Connected Load: | 0.0 | |
| Quantity of Equipment Units: 0 | | |
| Demand Factor Percent Multiplier: (100%) | 1.0 | |
| Kitchen Equipment Demand Load: | | 0.0 |

OTHER LOADS @ 100% DEMAND: (NEC 220.14)

| | | |
|---------------------------------|---------|---------|
| Total Connected Load: | 7,160.0 | |
| Other Loads @ 100% Demand Load: | | 7,160.0 |

OTHER LOADS @ 125% DEMAND: (NEC 215.2)

| | | |
|-----------------------------------|-----|-----|
| Total Connected Load: | 0.0 | |
| Plus 25% of Total Connected Load: | 0.0 | |
| Other Loads @ 125% Demand Load: | | 0.0 |

MOTOR LOAD: (NEC 220.14)

| | | |
|-----------------------|---------|---------|
| Total Connected Load: | 1,109.0 | |
| Motor Demand Load: | | 1,109.0 |

25% OF LARGEST MOTOR LOAD: (NEC 430.24)

| | | |
|---------------------------------|--|-------|
| 25% of Largest Motor (1109 VA): | | 277.3 |
|---------------------------------|--|-------|

| | |
|-----------------------|-----------|
| TOTAL DEMAND LOAD VA: | 102,146.3 |
| Amp: | 283.5 |

CONNECTED LOAD PER PHASE:
(Before Demand Factoring):

| | |
|-----------------------|--------------|
| Phase A: | 72,839.0 VA |
| Phase B: | 68,209.0 VA |
| Phase C: | 69,439.0 VA |
| <hr/> | |
| TOTAL CONNECTED LOAD: | 210,487.0 VA |

NEUTRAL LOAD: (NEC 220.61)

| | |
|----------------------------|----------|
| General Lighting: | 21,000.0 |
| General Receptacle: | 17,600.0 |
| Continuous Lighting: | 0.0 |
| Heating/Cooling: | 0.0 |
| Dryer: | 0.0 |
| Cooking Equipment: | 0.0 |
| Other Loads @ 100% Demand: | 7,160.0 |
| Other Loads @ 125% Demand: | 0.0 |
| Dwelling Unit Appliances: | 0.0 |
| Motor Load: | 0.0 |
| 25% of Largest Motor: | 277.3 |

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| Total Neutral Demand Load VA: | 38,877.3 |
| Amp: | 107.9 |

LVP-2

Fed From: Main Switchboard

Feeder OCP Rating: 400 Amp

Feeder OCP Type: Inverse time breaker

System Rating: 208/120v 3 Phase 4 Wire

| | | | |
|-----------|-----------------------------|----------------------------|-----------|
| 1 | General Lighting | General Receptacles | 2 |
| 3 | General Lighting | General Receptacles | 4 |
| 5 | General Lighting | General Receptacles | 6 |
| 7 | General Lighting | General Receptacles | 8 |
| 9 | General Lighting | General Receptacles | 10 |
| 11 | General Lighting | General Receptacles | 12 |
| 13 | General Lighting | General Receptacles | 14 |
| 15 | General Lighting | General Receptacles | 16 |
| 17 | General Lighting | General Receptacles | 18 |
| 19 | General Lighting | General Receptacles | 20 |
| 21 | General Lighting | General Receptacles | 22 |
| 23 | Parking Lot Lights | General Receptacles | 24 |
| 25 | | General Receptacles | 26 |
| 27 | Show Window Lighting | General Receptacles | 28 |
| 29 | Show Window Lighting | | 30 |
| 31 | Show Window Lighting | Heating Unit | 32 |
| 33 | Show Window Lighting | | 34 |
| 35 | Plug Mold | | 36 |
| 37 | Plug Mold | Blower Motor | 38 |
| 39 | Spare | | 40 |
| 41 | Spare | Spare | 42 |

**For professional service call:
ACME Electric LLC
1-800-486-1125**