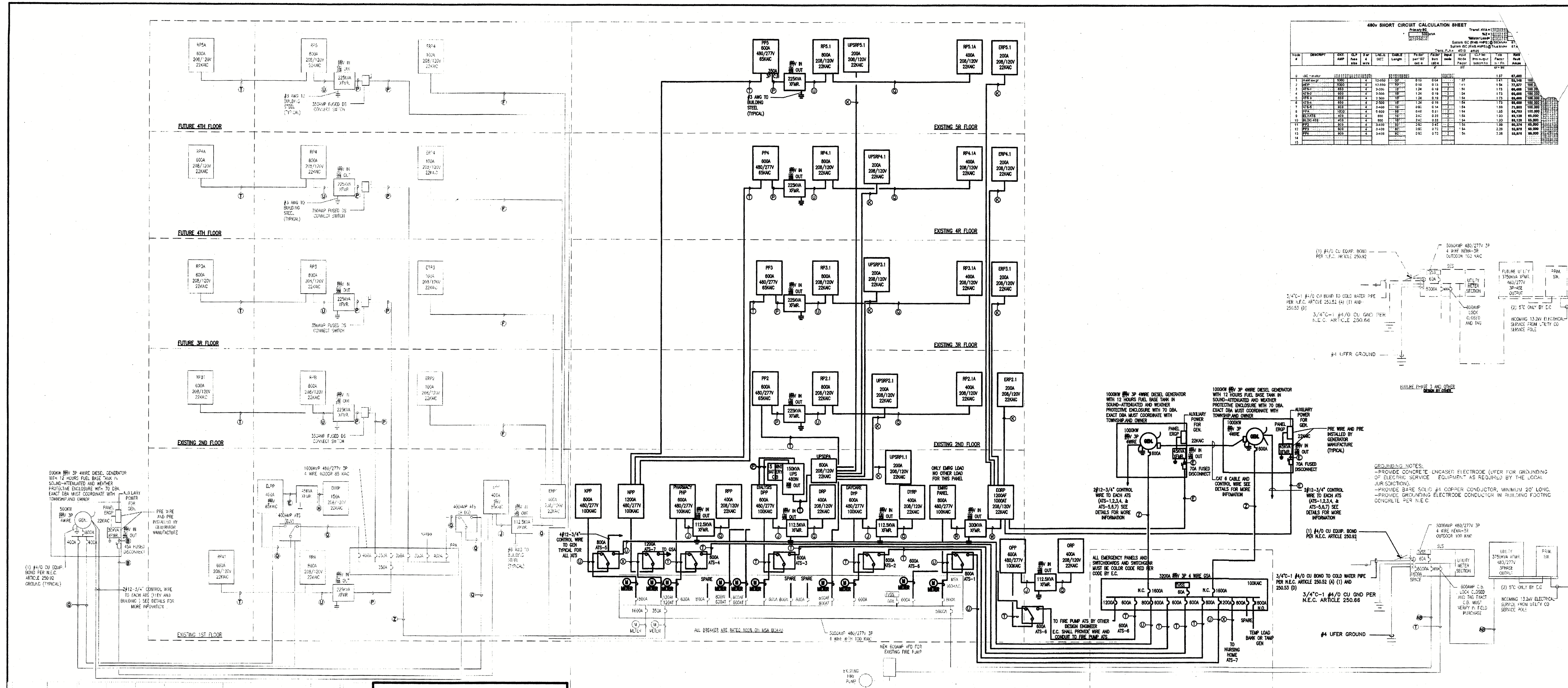




**480V SHORT CIRCUIT CALCULATION SHEET**

Printed On: 11/11/2015  
User: N/A  
Project: N/A

Name: N/A  
Address: N/A  
City: N/A  
State: N/A  
Zip: N/A  
Phone: N/A  
Fax: N/A  
E-mail: N/A

Satcon ECR Engineering  
Satcon ECR Engineering  
Satcon ECR Engineering

Project: N/A  
Sheet: N/A  
Page: N/A

| NO. | DESCRIPTION | TYPE | WIRE SIZE | WIRE TYPE | WIRE LENGTH | WIRE RESISTANCE | WIRE REACTANCE | WIRE IMPEDANCE | WIRE CAPACITANCE | WIRE INDUCTANCE | WIRE RESISTANCE | WIRE REACTANCE | WIRE IMPEDANCE | WIRE CAPACITANCE | WIRE INDUCTANCE |
|-----|-------------|------|-----------|-----------|-------------|-----------------|----------------|----------------|------------------|-----------------|-----------------|----------------|----------------|------------------|-----------------|
| 1   | 480V 3W 4W  | 1    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 2   | 480V 3W 4W  | 2    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 3   | 480V 3W 4W  | 3    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 4   | 480V 3W 4W  | 4    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 5   | 480V 3W 4W  | 5    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 6   | 480V 3W 4W  | 6    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 7   | 480V 3W 4W  | 7    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 8   | 480V 3W 4W  | 8    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 9   | 480V 3W 4W  | 9    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 10  | 480V 3W 4W  | 10   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 11  | 480V 3W 4W  | 11   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 12  | 480V 3W 4W  | 12   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 13  | 480V 3W 4W  | 13   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 14  | 480V 3W 4W  | 14   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 15  | 480V 3W 4W  | 15   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 16  | 480V 3W 4W  | 16   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 17  | 480V 3W 4W  | 17   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 18  | 480V 3W 4W  | 18   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 19  | 480V 3W 4W  | 19   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 20  | 480V 3W 4W  | 20   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 21  | 480V 3W 4W  | 21   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 22  | 480V 3W 4W  | 22   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 23  | 480V 3W 4W  | 23   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 24  | 480V 3W 4W  | 24   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 25  | 480V 3W 4W  | 25   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 26  | 480V 3W 4W  | 26   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 27  | 480V 3W 4W  | 27   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 28  | 480V 3W 4W  | 28   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 29  | 480V 3W 4W  | 29   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 30  | 480V 3W 4W  | 30   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 31  | 480V 3W 4W  | 31   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 32  | 480V 3W 4W  | 32   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 33  | 480V 3W 4W  | 33   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 34  | 480V 3W 4W  | 34   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 35  | 480V 3W 4W  | 35   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 36  | 480V 3W 4W  | 36   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 37  | 480V 3W 4W  | 37   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 38  | 480V 3W 4W  | 38   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 39  | 480V 3W 4W  | 39   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 40  | 480V 3W 4W  | 40   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 41  | 480V 3W 4W  | 41   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 42  | 480V 3W 4W  | 42   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 43  | 480V 3W 4W  | 43   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 44  | 480V 3W 4W  | 44   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 45  | 480V 3W 4W  | 45   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 46  | 480V 3W 4W  | 46   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 47  | 480V 3W 4W  | 47   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 48  | 480V 3W 4W  | 48   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 49  | 480V 3W 4W  | 49   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 50  | 480V 3W 4W  | 50   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |

| NO. | DESCRIPTION | TYPE | WIRE SIZE | WIRE TYPE | WIRE LENGTH | WIRE RESISTANCE | WIRE REACTANCE | WIRE IMPEDANCE | WIRE CAPACITANCE | WIRE INDUCTANCE | WIRE RESISTANCE | WIRE REACTANCE | WIRE IMPEDANCE | WIRE CAPACITANCE | WIRE INDUCTANCE |
|-----|-------------|------|-----------|-----------|-------------|-----------------|----------------|----------------|------------------|-----------------|-----------------|----------------|----------------|------------------|-----------------|
| 1   | 480V 3W 4W  | 1    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 2   | 480V 3W 4W  | 2    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 3   | 480V 3W 4W  | 3    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 4   | 480V 3W 4W  | 4    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 5   | 480V 3W 4W  | 5    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 6   | 480V 3W 4W  | 6    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 7   | 480V 3W 4W  | 7    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 8   | 480V 3W 4W  | 8    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 9   | 480V 3W 4W  | 9    | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 10  | 480V 3W 4W  | 10   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 11  | 480V 3W 4W  | 11   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 12  | 480V 3W 4W  | 12   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 13  | 480V 3W 4W  | 13   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 14  | 480V 3W 4W  | 14   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 15  | 480V 3W 4W  | 15   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 16  | 480V 3W 4W  | 16   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 17  | 480V 3W 4W  | 17   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 18  | 480V 3W 4W  | 18   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 19  | 480V 3W 4W  | 19   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 20  | 480V 3W 4W  | 20   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 21  | 480V 3W 4W  | 21   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 22  | 480V 3W 4W  | 22   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 23  | 480V 3W 4W  | 23   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 24  | 480V 3W 4W  | 24   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 25  | 480V 3W 4W  | 25   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           | 0.000           | 0.000          | 0.000          | 0.000            | 0.000           |
| 26  | 480V 3W 4W  | 26   | 1500      | THHN      | 100         | 0.000           | 0.000          | 0.00           |                  |                 |                 |                |                |                  |                 |

| ASSISTED LIVING CENTER LOAD |                                                                    |           |                     |
|-----------------------------|--------------------------------------------------------------------|-----------|---------------------|
| BUILDING A                  | GENERAL LIGHTING AND RECEPTACLES 3W/SQFT                           | 400       | 3                   |
|                             | APPLIANCE CIRCUITS (2 CIRCUITS - 1 RECEPTACLES)                    |           | 3000 VA             |
|                             | 20A BATHROOM BRANCH CIRCUIT NEC 210.11-3                           |           | 1500 VA             |
|                             | GAS WATER HEATER                                                   |           | 200 VA              |
|                             | MVAC UNIT 1                                                        |           | 5500 VA             |
|                             | <b>TOTAL EACH APARTMENT LOAD</b>                                   |           | <b>11400 VA</b>     |
|                             | RECOMMEND 400A/1P PANEL FOR EACH APARTMENT                         |           |                     |
|                             | <b>TOTAL LOAD FOR ASSISTED LIVING</b>                              | <b>39</b> | <b>444600 VA</b>    |
|                             | DEMAND LOAD: FIRST 3000 - 100%                                     |           | 3000 VA             |
|                             | 3000 TO 120000 - 35%                                               |           | 154560 VA           |
|                             | REMAINDER OVER 120000 - 25%                                        |           | 81150 VA            |
|                             | <b>TOTAL DEMAND LOAD/APT.:</b>                                     |           | <b>238710 VA</b>    |
|                             | <b>LOAD AMPERE</b>                                                 |           | <b>663.0833 A</b>   |
|                             | <b>TOTAL ONLY FOR APARTMENT ASSISTED LIVING CENTER DEMAND LOAD</b> |           | <b>238710 VA</b>    |
|                             | 39 APTS. FUTURE EXPANSION                                          |           | 358065 VA           |
|                             | MISC SPACE, OFFICE AND OTHERS                                      |           | 150000 VA           |
|                             | <b>TOTAL BUILDING LOAD</b>                                         |           | <b>746775 VA</b>    |
| BUILDING B                  | FIRST FLOOR KITCHEN                                                |           | 250000 VA           |
|                             | CHILDREN DAYCARE FOR AUTISM 30000SQFT                              |           | 350000 VA           |
|                             | PHARMACY                                                           |           | 250000 VA           |
|                             | MISCELLANEOUS                                                      |           | 300000 VA           |
|                             | NURSING ROOMS 2ND FL 9000 SQFT                                     | 9000      | 270000 VA           |
|                             | MISCELLANEOUS                                                      |           | 120000 VA           |
|                             | NURSING ROOMS 3RD FL 9000 SQFT                                     | 9000      | 270000 VA           |
|                             | MISCELLANEOUS                                                      |           | 120000 VA           |
|                             | NURSING ROOMS 4TH FL 9000 SQFT                                     | 9000      | 270000 VA           |
|                             | MISCELLANEOUS                                                      |           | 150000 VA           |
|                             | NURSING ROOMS 5TH FL 9000 SQFT                                     | 9000      | 270000 VA           |
|                             | MISCELLANEOUS                                                      |           | 120000 VA           |
|                             | <b>SUB-TOTAL</b>                                                   |           | <b>2740000 VA</b>   |
|                             | <b>DEMAND LOAD:</b>                                                |           | <b>3262743</b>      |
|                             | <b>SERVICE AMPERES FOR 480/277V-3P 4 WIRE SYSTEM VA/831</b>        |           | <b>3926.285 AMP</b> |
|                             | <b>SERVICE FEEDERS 125% OF SERVICE AMPERES</b>                     |           | <b>4907.856 AMP</b> |
|                             | <b>RECOMMENDED SERVICE OF</b>                                      |           | <b>5000 AMP</b>     |

| FEEDER SCHEDULE |          |                                                                 |  |
|-----------------|----------|-----------------------------------------------------------------|--|
| DESIGNATION     | AMPACTY  | TYPE                                                            |  |
| (A)             | 20       | #12                                                             |  |
| (A)             | 30       | #10                                                             |  |
| (B)             | 40       | 3#8, 1#10 G-1"                                                  |  |
| (C)             | 50       | 4#8, 1#10G-1"                                                   |  |
| (D)             | 60       | #8                                                              |  |
| (E)             | 70 TO 85 | 3#4, 1#8 GND-1 1/4"                                             |  |
| (F)             | 100      | 4#3, 1#8 GND-1 1/4"                                             |  |
| (G)             | 125      | 4#1, 1#8 GND-1 1/2"                                             |  |
| (H)             | 150      | 4#1/2, 1#8 GND-1 1/2"                                           |  |
| (J)             | 175      | TRANS. PRIMARY 3#2, 1#8 GND-2"                                  |  |
| (K)             | 200      | 4#3/4, 1#8 GND-2 1/2"                                           |  |
| (L)             | 225      | 4#4/8, 1#4 GND-2 1/2"                                           |  |
| (M)             | 250      | 4#250, 1#1 GND-3"                                               |  |
| (N)             | 300      | 4#350, 1#3 GND-3"                                               |  |
| (P)             | 350      | 3#500, 1#3 GND-3"                                               |  |
| (Q)             | 400      | (2) 4#4/8, 1#3 GND-2 1/2"                                       |  |
| (R)             | 450      | (2) 4#4/8, 1#2 GND-2 1/2"                                       |  |
| (S)             | 500      | (2) #250, 1#1 GND-2 1/2"                                        |  |
| (T)             | 600      | (2) 4#350, 1#1 GND-3"                                           |  |
| (U)             | 800      | (2) 4#600, 1#1/2 GND-4"                                         |  |
| (V)             | 800      | (2) 4#600, 1#2/2 GND-4"                                         |  |
| (W)             | 1000     | (3) 4#600, 1#2/2 GND-3"                                         |  |
| (X)             | 1200     | (4) #250, 1#3/4 GND-3" (4" PVC UNDER FLOOR)                     |  |
| (Y)             | 1600     | (5) 4#400, 1#4/8 GND-3" (4" PVC UNDER FLOOR PLUS 1 SPARE)       |  |
| (Z)             | 1600     | (5) 4#600, 1#4/8 GND-3" (4" PVC UNDER FLOOR PLUS 2 SPARE)       |  |
| (AA)            | 1600     | (6) 4" PVC ONLY FOR FUTURE USE WITH PULL WIRE                   |  |
| (AB)            | 5000     | (15) 4#600, 1#5/8 GND-4" (4" PVC UNDER FLOOR) PLUS (1) 4" SPARE |  |

### ELECTRICAL POWER NOTES

- ALL WORK SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, B.O.C.A. AND O.S.H.A. LATEST EDITIONS, AND ALL APPLICABLE LOCAL CODES.
- ELECTRIC SERVICE SHALL BE COORDINATED WITH THE UTILITY CO. CONTRACTOR SHALL PAY ANY FEES LEVIED FOR SERVICE. PROVIDE METER CANS OR C/T CABINETS AS REQUIRED.
- CONTRACTOR SHALL OBTAIN AND PAY FOR BOTH ROUGH AND FINAL UNDERWRITERS OR OTHER APPROVED INSPECTION AGENCY CERTIFICATE OF "ELECTRICAL INSPECTION". THESE CERTIFICATES SHALL BE PRESENTED WITH REQUEST FOR FINAL PAYMENT.
- COORDINATE EXACT LOCATION OF ALL FIXTURES AND OUTLETS WITH ARCH. DRAWINGS, AND EQUIP. SUPPLIER'S RECOMMENDATIONS. REVIEW LOCATION OF ALL RACEWAYS WITH ARCHITECT / OWNER.
- PROVIDE ALL GROUNDING AS REQUIRED BY N.E.C. OR ANY LOCAL CODES.
- CONTRACTOR SHALL VISIT SITE TO FAMILIARIZE HIM OR HERSELF WITH ALL CONDITIONS OF AREA.
- CONTRACTOR SHALL PROVIDE TEMPORARY POWER AND LIGHT DURING COURSE OF CONSTRUCTION. POWER CONSUMED SHALL BE PAID FOR BY THE OWNER.
- ALL WIRING INSTALLED UNDER THIS CONTRACT, PRIOR TO TURNING OVER THE WORK AS A COMPLETE UNIT, SHALL BE TESTED FOR PROPER CONNECTIONS, SHORT CIRCUITS AND GROUNDS.