

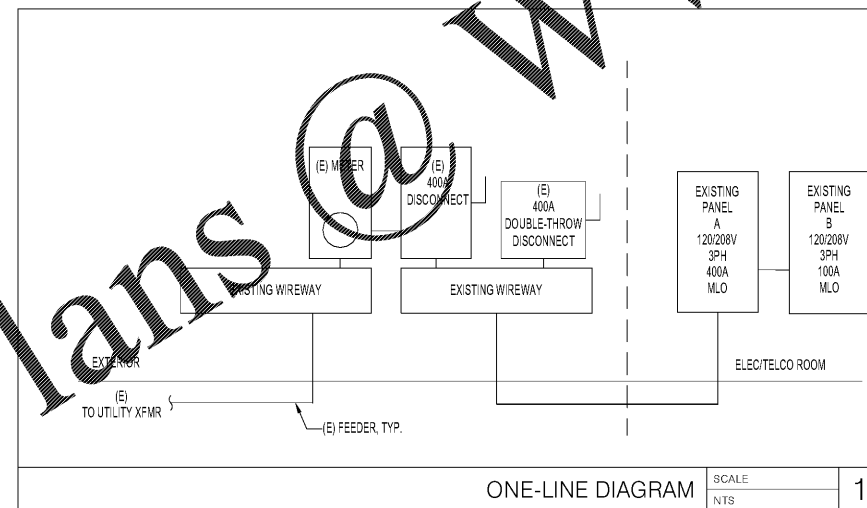
| PANELBOARD: A (EXISTING) | | | | | | | | | | | | EQUIPMENT GROUND BUS | | |
|---|---------------------------|----------|-------------|--------|----------|---------------|-------|---------|----------|----------|--------|----------------------|----------------------|---------|
| BUS AMPS: 400A MAIN SIZE/TYP: MLO VOLTS/PHASE: 208Y/120V, 3PH, 4W SERVES: TENANT LOCATION: ELEC/IT ROOM | | | | | | | | | | | | | | |
| CKT NO. | DESCRIPTION | VA/PHASE | | | WIRE NO. | BKR AMP | P | BKR AMP | WIRE NO. | VA/PHASE | | | DESCRIPTION | CKT NO. |
| | | A | B | C | | | | | | A | B | C | | |
| 1 | timer | 360 | | | 20 | 1 | 1 | 20 | | 540 | | | Its neon | 2 |
| 3 | timer | | 360 | | 20 | 1 | 1 | 20 | | 720 | | | Its neon | 4 |
| 5 | timer | | | 360 | 20 | 1 | 1 | 20 | | | 720 | | Its neon | 6 |
| 7 | timer | 360 | | | 20 | 1 | 1 | 20 | | 360 | | | ern | 8 |
| 9 | TRACK LTS | | 360 | | 12 | 20 | 1 | 1 | 20 | | 540 | | neon | 10 |
| 11 | SALES AREA LTS | | | 414 | 12 | 20 | 1 | 1 | 20 | | | 540 | layin fixtures | 12 |
| 13 | SALES AREA LTS | 650 | | | 12 | 20 | 1 | 1 | 20 | | 540 | | layin fixtures | 14 |
| 15 | INVENTORY LTS | | 276 | | 12 | 20 | 1 | 1 | 20 | | 720 | | neon | 16 |
| 17 | SPARE | | | | 20 | 1 | 1 | 20 | | | | 540 | photo cell for signs | 18 |
| 19 | SPARE | | | | 20 | 1 | 1 | 20 | | 540 | | | photo cell for signs | 20 |
| 21 | SPARE | | | | 20 | 1 | 1 | 20 | | 720 | | | neon | 22 |
| 23 | layin Its/serv | | | 360 | 20 | 1 | 1 | 20 | | | | 1,200 | outside Its/sign | 24 |
| 25 | Its customer serv | 360 | | | 20 | 1 | 1 | 20 | | | | | spare | 26 |
| 27 | ops, telecom rm, corridor | | 540 | | 20 | 1 | 2 | 80 | | | 11,000 | | vzw micro site | 28 |
| 29 | strip neon | | | 720 | 20 | 1 | | | | | | 11,000 | | 30 |
| 31 | | 4,100 | | | | | | | | 7,380 | | | | 32 |
| 33 | rtu 3 | | 4,100 | | 45 | 3 | 3 | 100 | | | 9,540 | | panel b | 34 |
| 35 | | | | 4,100 | | | | | | | | 8,820 | | 36 |
| 37 | | 3,200 | | | | | | | | 3,200 | | | | 38 |
| 39 | rtu 2 | | 3,200 | | 35 | 3 | 3 | 35 | | | 3,200 | | rtu 1 | 40 |
| 41 | | | 3,200 | | | | | | | | 3,200 | | | 42 |
| SUBTOTAL | | 9,030 | 8,836 | 9,154 | | | | 12,560 | | | 26,440 | 26,020 | SUBTOTAL | |
| TOTAL PHASE A - VA | | 21,590 | LOAD | | CONN. VA | DF | LOAD | | CONN. VA | DF | | | | |
| AMPS | | 180 | COOLING | 9,600 | 1.00 | REFRIGERATION | 1,200 | 1.25 | | | | | | |
| TOTAL PHASE B - VA | | 35,276 | HEATING | 21,900 | 1.00 | SIGN/DISPLAY | 1,200 | 1.00 | | | | | | |
| AMPS | | 294 | LIGHTING | 8,540 | 1.25 | KITCHEN | 1,000 | 1.00 | | | | | | |
| TOTAL PHASE C - VA | | 35,174 | RECEPTACLES | 18,540 | 1.0/5 | EXISTING | 7,200 | 1.00 | | | | | | |
| AMPS | | 293 | MOTORS | | 1.00 | LARGE MOTOR | | 1.25 | | | | | TOTAL DEMAND | |
| TOTAL PNLBD - VA | | 92,040 | SUPP HEAT | | 1.00 | SHOW WINDOW | | 1.25 | | | | | 80,605 VA | |
| AMPS | | 255 | MISC EQUIP | 25,060 | 1.00 | LIG TRACK | | 1.00 | | | | | 224 A | |

LOAD DESCRIPTIONS SHOWN AS LOWERCASE ARE CIRCUITS EXISTING TO REMAIN.

| PANELBOARD: B (EXISTING) | | | | | | | | | | | | EQUIPMENT GROUND BUS | | |
|---|-------------------------|----------|-------------|--------|----------|---------------|------|---------|----------|----------|-------|----------------------|--------------------------|---------|
| BUS AMPS: 100A MAIN SIZE/TYP: MLO VOLTS/PHASE: 208Y/120V, 3PH, 4W SERVES: TENANT LOCATION: ELEC/IT ROOM | | | | | | | | | | | | | | |
| CKT NO. | DESCRIPTION | VA/PHASE | | | WIRE NO. | BKR AMP | P | BKR AMP | WIRE NO. | VA/PHASE | | | DESCRIPTION | CKT NO. |
| | | A | B | C | | | | | | A | B | C | | |
| 1 | BPK | 360 | | | 12 | 20 | 1 | 1 | 20 | | 540 | | ups rec | 2 |
| 3 | 4-XX RECEPTACLES | | 540 | | 12 | 20 | 1 | 1 | 20 | | 1,080 | | COLAB TABLE RECEPITS | 4 |
| 5 | 4-XX RECEPITS | | | 360 | 12 | 20 | 1 | 1 | 20 | | 720 | | aisle RECEPITS | 6 |
| 7 | 4-POS/ AISLE RECEPITS | 540 | | | 12 | 20 | 1 | 1 | 20 | | 540 | | EXP TABLE/SPOT/COLAB BAR | 8 |
| 9 | DOUBLE DIG DISPLAY | | 360 | | 12 | 20 | 1 | 1 | 20 | | 540 | | lv | 10 |
| 11 | EQ-01 RECEPITS | | | 540 | 12 | 20 | 1 | 1 | 20 | | | 360 | POS RECEPITS | 12 |
| 13 | DR RECEPITS | 1,440 | | | 12 | 20 | 1 | 1 | 20 | | 960 | | PRINT/SHREDER | 14 |
| 15 | DR RECEPITS | | 1,440 | | 12 | 20 | 1 | 1 | 20 | | 720 | | INVENTORY RECEPITS | 16 |
| 17 | existing load | | | 360 | 20 | 1 | 1 | 20 | | | | 720 | MANAGERS OFFICE RECEPITS | 18 |
| 19 | existing load | 360 | | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 20 |
| 21 | existing load | | 360 | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 22 |
| 23 | existing load | | | 360 | 20 | 1 | 1 | 20 | | | | 360 | existing load | 24 |
| 25 | existing load | 360 | | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 26 |
| 27 | existing load | | 360 | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 28 |
| 29 | existing load | | | 360 | 20 | 1 | 1 | 20 | | | | 360 | existing load | 30 |
| 31 | existing load | 360 | | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 32 |
| 33 | existing load | | 360 | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 34 |
| 35 | existing load | | | 360 | 20 | 1 | 1 | 20 | | | | 360 | existing load | 36 |
| 37 | existing load | 360 | | | 20 | 1 | 1 | 20 | | | 360 | | existing load | 38 |
| 39 | vzw roof side sub panel | | 3,600 | | 50 | 2 | 1 | 20 | | | 360 | | existing load | 40 |
| 41 | | | | 3,600 | | | | | | | | 360 | existing load | 42 |
| SUBTOTAL | | 3,780 | 7,020 | 5,940 | | | | 3,480 | | | 3,780 | 3,240 | SUBTOTAL | |
| TOTAL PHASE A - VA | | 7,260 | LOAD | | CONN. VA | DF | LOAD | | CONN. VA | DF | | | | |
| AMPS | | 61 | COOLING | | 1.00 | REFRIGERATION | | 1.00 | | | | | | |
| TOTAL PHASE B - VA | | 10,800 | HEATING | | 0 | SIGN/DISPLAY | | 1.25 | | | | | | |
| AMPS | | 90 | LIGHTING | | 1.25 | KITCHEN | | 1.00 | | | | | | |
| TOTAL PHASE C - VA | | 9,180 | RECEPTACLES | 20,400 | 1.0/5 | EXISTING | | 1.00 | | | | | | |
| AMPS | | 77 | MOTORS | | 1.00 | LARGE MOTOR | | 1.25 | | | | | TOTAL DEMAND | |
| TOTAL PNLBD - VA | | 27,240 | SUPP HEAT | | 1.00 | SHOW WINDOW | | 1.25 | | | | | 22,400 VA | |
| AMPS | | 76 | MISC EQUIP | | 1.00 | LIG TRACK | | 1.00 | | | | | 62 A | |

LOAD DESCRIPTIONS SHOWN AS LOWERCASE ARE CIRCUITS EXISTING TO REMAIN.

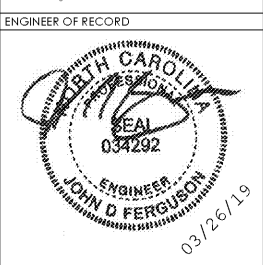
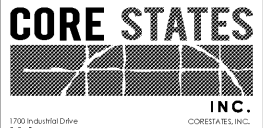
| TENANT ELECTRICAL SERVICE LOAD SUMMARY | | | |
|--|---------------|----------------------|------------|
| TENANT OCCUPANCY TYPE: | M | SERVICE DESCRIPTION: | |
| TENANT SQUARE FOOTAGE: | 4,500 | 208/120 3PH | |
| LOAD DESCRIPTION | Connected KVA | Demand FACTOR | Demand KVA |
| HVAC - SUMMER | 9.60 | 100% | 0.00 |
| HVAC - WINTER | 21.90 | 100% | 21.90 |
| LIGHTING (PER NEC-220) | 13.50 | 125% | 16.88 |
| RECEPTACLES | 20.04 | 100%,50% | 15.02 |
| MISCELLANEOUS EQUIPMENT | 25.06 | 100% | 25.06 |
| DISPLAY CASE/SIGNAGE | 1.20 | 125% | 1.50 |
| TOTAL LOAD | 91.30 | KVA | 80.36 |
| TOTAL AMPACITY | 253.42 | AMPS | 223.04 |
| SERVICE AMPACITY | 400 | AMPS | 400.00 |
| SPARE CAPACITY | | AMPS | 177 |



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| PROJECT INFORMATION | |
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| PROJECT NO: | V2W.26121 |
| DATE: | |
| SCALE: | AS NOTED |
| DRAWN BY: | M.SCHENK |
| CHECKED BY: | K.CRAIG |

SHEET TITLE
ONE-LINE DIAGRAM AND PANEL SCHEDULES

SHEET NUMBER
E-5

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