

| EXISTING PANEL H3 -- 480Y/277V 3PH 4W 100A | | | | | | | | | |
|--|-------|-----------------------|---------------------------|------|------|---|-------|----------|--|
| CCT. NO. | BRKR. | DESCRIPTION | PHASE LOADING (KVA) | | | DESCRIPTION | BRKR. | CCT. NO. | |
| | | | A | B | C | | | | |
| 1 | 201 | MEETING ROOM LIGHTS | 0.55 | | | LIGHTING, TRAINING, INNOVATION, PREP, KITCHEN | 201 | 2 | |
| 3 | 201 | LOBBY/CONF RM LIGHTS | | 0.99 | | LIGHTING TRAINING CENTER | 201 | 4 | |
| 5 | 201 | TOILET/ELEC RM LIGHTS | | | | OFFICE LIGHTS | 201 | 6 | |
| 7 | 201 | CORRIDOR LIGHTS | | | | OFFICE LIGHTS | 201 | 8 | |
| 9 | 201 | LUNCH RM/MAINT LIGHTS | | | | EMERG LIGHTS DRY STORAGE | 201 | 10 | |
| 11 | 201 | CORRIDOR LIGHTS | | | | FLAG POLE LIGHTS | 201 | 12 | |
| 13 | 15/3 | KEF-1 | 2.11 | | | CONDENSER UNIT #1 | 30/3 | 14 | |
| 15 | I | I | | 2.11 | | I | I | 16 | |
| 17 | I | I | | | 2.11 | I | I | 18 | |
| 19 | 201 | | | | | PRINTER ROOM UNIT #1 | 15/3 | 20 | |
| 21 | 201 | EXTERIOR LIGHTS | | | | I | I | 22 | |
| 23 | 301 | SITE LIGHTS POLE | | | | I | I | 24 | |
| 25 | 301 | SITE LIGHTS POLE | | | | OVERHEAD DOORS | 20/3 | 26 | |
| 27 | 301 | SITE LIGHTS POLE | | | | I | I | 28 | |
| 29 | - | - | | | | I | I | 30 | |
| RATING | | | 100 A 480Y/277 V 3 PH 4 W | | | NOTES | | | |
| MAIN LUGS | | | MIN. AIC RATING 30,000 A | | | 1) EXISTING SIEMENS S3 PANELBOARD. | | | |
| CONNECTED LOAD | | | | | | 2) NEW CIRCUITS ARE SHOWN IN BOLD, ONLY NEW LOADS ARE SHOWN. | | | |
| PHASE A: | | | 2.66 KVA | | | 3) CONTRACTOR TO METER PANEL DEMAND IN ACCORDANCE WITH NEC 220.87 (1) EXCEPTION TO CONFIRM ADEQUATE CAPACITY. | | | |
| PHASE B: | | | 3.10 KVA | | | | | | |
| PHASE C: | | | 2.11 KVA | | | | | | |
| TOTAL KVA: | | | 7.86 KVA | | | | | | |
| TOTAL A: | | | 9 A AT 480V, 3PH | | | | | | |

| EXISTING PANEL AC1 -- 480V 3PH 3W 400A | | | | | | | | | |
|--|-------|-------------|--------------------------|-------|-------|---|-------|----------|--|
| CCT. NO. | BRKR. | DESCRIPTION | PHASE LOADING (KVA) | | | DESCRIPTION | BRKR. | CCT. NO. | |
| | | | A | B | C | | | | |
| 1 | 50/3 | RTU-11.1 | 9.98 | 9.98 | | RTU-11.2 | 50/3 | 2 | |
| 3 | I | I | | 9.98 | 9.98 | I | I | 4 | |
| 5 | I | I | | | 9.98 | 9.98 | I | 6 | |
| 7 | 50/3 | RTU-11.3 | 9.98 | 14.97 | | RTU-11.4 | 60/3 | 8 | |
| 9 | I | I | | 9.98 | 14.97 | I | I | 10 | |
| 11 | I | I | | | 9.98 | 14.97 | I | 12 | |
| 13 | 60/3 | RTU-11.5 | 14.97 | | | RTU-11.6 | 60/3 | 14 | |
| 15 | I | I | | 14.97 | | I | I | 16 | |
| 17 | I | I | | | 14.97 | I | I | 18 | |
| 19 | 20/3 | RTU-12 | 3.96 | 20.31 | | KMU-1 | 80/3 | 20 | |
| 21 | I | I | | 3.96 | 20.31 | I | I | 22 | |
| 23 | I | I | | | 3.96 | 20.31 | I | 24 | |
| 25 | 45/3 | RTU-6 | 9.70 | 9.15 | | RTU-3 | 35/3 | 26 | |
| 27 | I | I | | 9.70 | 9.15 | I | I | 28 | |
| 29 | I | I | | | 9.70 | 9.15 | I | 30 | |
| RATING | | | 400 A 480V V 3 PH 3 W | | | NOTES | | | |
| MAIN LUGS | | | MIN. AIC RATING 22,000 A | | | 1) EXISTING SIEMENS S3 PANELBOARD. | | | |
| CONNECTED LOAD | | | | | | 2) PROVIDE NEW BREAKERS WHERE SHOWN IN BOLD. | | | |
| PHASE A: | | | 102.98 KVA | | | 3) CONTRACTOR TO METER PANEL DEMAND IN ACCORDANCE WITH NEC 220.87 (1) EXCEPTION TO CONFIRM ADEQUATE CAPACITY. | | | |
| PHASE B: | | | 102.98 KVA | | | | | | |
| PHASE C: | | | 102.98 KVA | | | | | | |
| TOTAL KVA: | | | 308.95 KVA | | | | | | |
| TOTAL A: | | | 372 A AT 480V, 3PH | | | | | | |

| EXISTING PANEL H6R -- 480Y/277V 3PH 4W 400A | | | | | | | | | | |
|--|-------|---------------------|---------------------------|------|------|---|-------|----------|--|--|
| CCT. NO. | BRKR. | DESCRIPTION | PHASE LOADING (KVA) | | | DESCRIPTION | BRKR. | CCT. NO. | | |
| | | | A | B | C | | | | | |
| 43 | 20/3 | WATER HEATER WH-1 | | | | SPLIT SYSTEM SS-10 | 20/3 | 44 | | |
| 45 | | | | | | | | 46 | | |
| 47 | | | | | | | | 48 | | |
| 49 | 20/3 | WATER HEATER WH-2 | | | | VAV 5-1, 5-4 | 20/1 | 50 | | |
| 51 | | | | | | VAV 5-2 | 20/1 | 52 | | |
| 53 | | | | | | VAV 5-3 | 20/1 | 54 | | |
| 55 | 50/3 | PANEL L6A VIA T/L6A | | | | VAV 5-5 | 15/3 | 56 | | |
| 57 | | | | | | | | 58 | | |
| 59 | | | | | | | | 60 | | |
| 61 | 70/3 | PANEL L6C VIA T/L6C | | | | VAV 5-6 | 20/1 | 62 | | |
| 63 | | | | | | VAV12-3, 12-4 | 20/1 | 64 | | |
| 65 | | | | | | EXISTING | 20/1 | 66 | | |
| 67 | 15/1 | VAV 7-1 | | 1.88 | | POWER EXHAUST PE-1 | 15/3 | 68 | | |
| 69 | 20/1 | VAV 7-2, 7-4 | | | 1.88 | | | 70 | | |
| 71 | 20/1 | VAV 7-3 | | | 1.88 | | | 72 | | |
| 73 | 20/1 | VAV 7-5, 7-6 | | | - | - | - | 74 | | |
| 75 | 20/1 | VAV 12-1 | | | - | - | - | 76 | | |
| 77 | 20/1 | VAV 12-2 | | | - | - | - | 78 | | |
| 79 | 15/3 | VENTILATOR KEF-1 | 2.11 | | | - | - | 80 | | |
| 81 | | | | 2.11 | | - | - | 82 | | |
| 83 | | | | | 2.11 | - | - | 84 | | |
| RATING | | | 400 A 480Y/277 V 3 PH 4 W | | | NOTES 1) EXISTING SIEMENS S3 PANELBOARD. 2) PROVIDE NEW BREAKERS WHERE SHOWN IN BOLD. | | | | |
| MAIN LUG | | | MIN. AIC RATING 35,000 A | | | | | | | |
| CONNECTED LOAD | | | | | | | | | | |
| PHASE A: | | | 3.99 KVA | | | | | | | |
| PHASE B: | | | 3.99 KVA | | | | | | | |
| PHASE C: | | | 3.99 KVA | | | | | | | |
| TOTAL KVA: | | | 11.97 KVA | | | | | | | |
| TOTAL A: | | | 14 A AT 480V, 3PH | | | | | | | |
| NOTES: 1) EXISTING SIEMENS TYPE 'P3' PANEL 2) USE TYPE 'NEB' BREAKERS 3) NEW LOADS ARE SHOWN IN BOLD 4) LOAD TOTALS SHOW NEW LOADS ONLY 5) CONTRACTOR TO METER PANEL DEMAND IN ACCORDANCE WITH NEC 220.87 (1) EXCEPTION TO CONFIRM ADEQUATE CAPACITY. | | | | | | | | | | |

| EXISTING PANEL L3A -- 208Y/120V 3PH 4W 125A | | | | | | | | | |
|---|-------|---|---------------------------|------|------|---|-------|----------|--|
| CCT. NO. | BRKR. | DESCRIPTION | PHASE LOADING (KVA) | | | DESCRIPTION | BRKR. | CCT. NO. | |
| | | | A | B | C | | | | |
| 1 | 201 | RECEPTACLES INNOVATION | 0.18 | | | RECEPTACLES ACCT.&PUR., TVSS | 201 | 2 | |
| 3 | 201 | RECEPTACLES TRAINING LOBBY | | 0.72 | | RECEPTACLES ACCT.&PUR., TVSS | 201 | 4 | |
| 5 | 201 | AV RACK RECEPTACLES | | | 1.00 | RECEPTACLES ACCT.&PUR., TVSS | 201 | 6 | |
| 7 | 201 | AV RACK RECEPTACLES | 1.00 | | | RECEPTACLES ACCT. & PUR. | 201 | 8 | |
| 9 | 201 | TRAINING ROOM 1 FLOOR RECEPTACLES ROW 1 | | 1.00 | | RECEPTACLES ACCT. & PUR. | 201 | 10 | |
| 11 | 201 | TRAINING ROOM 1 FLOOR RECEPTACLES ROW 2 | | | 1.00 | RECEPTACLES ACCT. & PUR. | 201 | 12 | |
| 13 | 201 | TRAINING ROOM 1 FLOOR RECEPTACLES ROW 3 | 1.00 | 1.00 | | TRAINING ROOM 2 FLOOR RECEPTACLES ROW 4 | 201 | 14 | |
| 15 | 201 | TRAINING ROOM 1 FLOOR RECEPTACLES ROW 4 | | | 1.00 | TRAINING ROOM 2 FLOOR RECEPTACLES ROW 5 | 201 | 16 | |
| 17 | 201 | TRAINING ROOM 1 FLOOR RECEPTACLES ROW 5 | | | 1.00 | TRAINING ROOM 2 FLOOR RECEPTACLES ROW 6 | 201 | 18 | |
| 19 | 201 | RECEP SALES/ACCT. SERVICE | | | | RECEP SALES/CUST. SERVICE | 201 | 20 | |
| 21 | 201 | RECEP SALES/ACCT. SERVICE | | | | RECEP SALES/CUST. SERVICE | 201 | 22 | |
| 23 | 201 | RECEP SALES/ACCT. SERVICE | | | | RECEP SALES/CUST. SERVICE | 201 | 24 | |
| 25 | 201 | TRAINING ROOM 1 FLOOR RECEPTACLES ROW 6 | 1.00 | 0.20 | | RECEPTACLE, MONITOR A113 | 201 | 26 | |
| 27 | 201 | TRAINING ROOM 2 FLOOR RECEPTACLES ROW 1 | | 1.00 | | RECEP ACCT/PURCHASING | 201 | 28 | |
| 29 | 201 | RECEPTACLES ROOF RTUS | | | | RECEP ACCT/PURCHASING | 201 | 30 | |
| 31 | 30/2 | XEROX COPIER | | | | RECEP SALESMEN OFFICE | 201 | 32 | |
| 33 | I | I | | | | RECEP SALESMEN OFFICE | 201 | 34 | |
| 35 | 201 | EXHAUST FAN #3 | | | | RECEP SALESMEN OFFICE | 201 | 36 | |
| 37 | 201 | TRAINING ROOM 2 FLOOR RECEPTACLES ROW 2 | 1.00 | - | | - | - | 38 | |
| 39 | 201 | TRAINING ROOM 2 FLOOR RECEPTACLES ROW 3 | | 1.00 | - | - | - | 40 | |
| 41 | - | - | | | - | - | - | 42 | |
| RATING | | | 125 A 208Y/120 V 3 PH 4 W | | | NOTES | | | |
| MAIN BREAKER | | | MIN. AIC RATING 18,000 A | | | 1) SIEMENS S1 PANELBOARD. | | | |
| CONNECTED LOAD | | | | | | 2) NEW CIRCUITS ARE SHOWN IN BOLD, ONLY NEW LOADS ARE SHOWN. | | | |
| PHASE A: | | | 5.38 KVA | | | 3) CONTRACTOR TO METER PANEL DEMAND IN ACCORDANCE WITH NEC 220.87 (1) EXCEPTION TO CONFIRM ADEQUATE CAPACITY. | | | |
| PHASE B: | | | 5.72 KVA | | | | | | |
| PHASE C: | | | 4.00 KVA | | | | | | |
| TOTAL KVA: | | | 15.10 KVA | | | | | | |
| TOTAL A: | | | 42 A AT 208V, 3PH | | | | | | |

| EXISTING PANEL PANEL L3B -- 208Y/120V 3PH 4W 125A | | | | | | | | | |
|---|-------|--------------------------|---------------------|------|------|---------------------------|-------------------------|----------|----|
| CCT. NO. | BRKR. | DESCRIPTION | PHASE LOADING (KVA) | | | DESCRIPTION | BRKR. | CCT. NO. | |
| | | | A | B | C | | | | |
| 1 | 201 | SALES OFFICE | | | | TVSS | 201 | 2 | |
| 3 | 201 | RECEPT TOILETS/EWC/SALES | | | | TVSS | 201 | 4 | |
| 5 | 201 | RECEPTACLES WAREHOUSE | | | | TVSS | 201 | 6 | |
| 7 | 201 | RECEPTACLES WAREHOUSE | | | | GATE OPERATOR | 20/3 | 8 | |
| 9 | 201 | EXHAUST FAN #6 | | | | I | I | 10 | |
| 11 | 201 | SE #1/SE #2 | | | | I | I | 12 | |
| 13 | 201 | RECEP SALVAGE/MACH SHOP | | | | RECEPTACLE FRONT OFFICE | 201 | 14 | |
| 15 | 20/3 | WATER HEATER | | | | RECEPTACLE FRONT OFFICE | 201 | 16 | |
| 17 | I | I | | | | RECEPTACLE FRONT OFFICE | 201 | 18 | |
| 19 | I | I | | | | LOBBY LIGHTS / NEW GATE | 201 | 20 | |
| 21 | 201 | RTU TIME CLOCKS | | | | RTU TIME CLOCKS&HYDRO PNL | 201 | 22 | |
| 23 | 151 | PROJECTOR AND SCREEN | | | 0.94 | 0.36 | RECEPTACLE MEETING ROOM | 201 | 24 |
| 25 | 201 | LCD MONITORS | 1.30 | 0.60 | | | PROJECTOR SCREEN AV1 | 201 | 26 |
| 27 | 201 | PRODUCT EVAL RECEPT | | 0.36 | 0.36 | | RECEPTACLE MEETING ROOM | 201 | 28 |
| 29 | 201 | RECEPTACLES, ROOFTOP | | | 0.54 | 0.36 | RECEPTACLE MEETING ROOM | 201 | 30 |
| 31 | 151 | TRANSFER FAN TF-1 | 0.40 | 0.80 | | | PROJECTOR AV2 | 201 | 32 |
| 33 | 201 | SOUND & SECURITY | | | 0.60 | | LCD MONITORS AV3 | 201 | 34 |
| 35 | 201 | SOUND & SECURITY | | | | - | - | - | 36 |
| 37 | 201 | SOUND & SECURITY | | | | - | - | - | 38 |
| 39 | 201 | PHONE EQUIPMENT | | | | - | - | - | 40 |
| 41 | 201 | LCD MONITORS | | | 1.30 | - | - | - | 42 |
| RATING | | | | | | | | | |
| 125 A 208Y/120 V 3 PH 4 W | | | | | | | | | |
| MAIN BREAKER MIN. AIC RATING 18,000 A | | | | | | | | | |
| CONNECTED LOAD | | | | | | | | | |
| PHASE A: 3.10 KVA | | | | | | | | | |
| PHASE B: 1.32 KVA | | | | | | | | | |
| PHASE C: 3.50 KVA | | | | | | | | | |
| TOTAL KVA: 7.92 KVA | | | | | | | | | |
| TOTAL A: 22 A AT 208V, 3PH | | | | | | | | | |
| NOTES | | | | | | | | | |
| 1) SIEMENS S1 PANELBOARD. | | | | | | | | | |
| 2) NEW CIRCUITS ARE SHOWN IN BOLD. ONLY NEW LOADS ARE SHOWN. | | | | | | | | | |
| 3) CONTRACTOR TO METER PANEL DEMAND IN ACCORDANCE WITH NEC 220.67 (1) EXCEPTION TO CONFIRM ADEQUATE CAPACITY. | | | | | | | | | |