| LOCATION: ELECTRICAL/FIRE N701C SUPPLY FROM: NH7D14B MOUNTING: SURFACE ENCLOSURE: NEMA-1 | | | | | VOLTS: 480/277 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No | | | | | | | A.I.C. RATING: 35kA BUS RATING: 225 A MAINS TYPE: MLO MCB RATING: N/A | | | |
|--|---|----------------|-------------|-----------------|---|-------------|----------|-------|----------|----------|-------------|---|----------|-----------------|----|
| CKT 1 | CIRCUIT DESCRIPTION | LOAD CLASS. | TRIP (A) | POLES | A (VA) | | B /A) | 1 | C 'A) | POLES | TRIP (A) | LOAD CLASS. | CIRCL | JIT DESCRIPTION | CI |
| 3 | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | |
| | ROOF SECTOR C - LIGHTING | LTG | 20 | 1 | 858 | 4.704 | | | | | | | | | |
| | LEVEL 7 SECTOR B/C -SW LIGHTING | LTG | 20 | 1 | | 1,734 | | | | | | | | | |
| 11 | LEVEL 7 SECTOR B/C - WEST LIGHTING | LTG | 20 | 1 | 912 | | | | | | | | | | |
| | LEVEL 7 SECTOR B/C - WEST LIGHTING LEVEL 7 SECTOR B/C - WEST LIGHTING | LTG | 20 | 1 | 912 | 1,046 | | | | | | | | | , |
| | LEVEL 7 SECTOR B/C - WEST LIGHTING LEVEL 7 SECTOR B/C - CORE LIGHTING | LTG | 20 | 1 | | 1,040 | | 1,303 | | | | | | | |
| 19 | LEVEL / SECTOR B/G - CORE EIGHTING | LIO | 20 | ! | | | | 1,505 | | | | | | | |
| | LEVEL 7 SECTOR C - LIGHTING | LTG | 20 | 1 | | 1,422 | | | | | | | | | |
| | LEVEL 7 SECTOR C - LIGHTING | LTG | 20 | 1 | | 1,122 | | 197 | | | | | | | |
| 25 | | | | | | | | 101 | | | | | | | |
| 27 | | | | | | | | | | | | | | | 2 |
| 29 | | | | | | | | | | | | | | | 3 |
| 31 | | | | | | | | | | | | | | | 3 |
| 33 | | | | | | | | | | | | | | | 3 |
| 35 | | | | | | | | | | | | | | | 3 |
| 37 | | | | | | | | | | | | | | | 3 |
| 39 | | | | | | | | | | | | | | | 4 |
| 41 | | то | TALLO | AD (\(/ A \) - | 4 770 | 4 | 000 | 4.1 | -00 | | | | | | 4 |
| | | | | AD (VA): | | 1,770 4,202 | | 1,500 | | | | | | | |
| | | I ! | OTAL L | OAD (A): | 7 | | 15 | , | 5 | | | | | | |
| OAD C | LASSIFICATION | | CON | NECTED | I OAD D | EMAND FA | CTOR | CALC | ΙΙΙ ΔΤΙ | ED DEMAN | ID | | | | |
| TG | | | 7,472 VA | | | 125.00% | | 0,120 | | 0 VA | | | PANEI | _ TOTALS | |
| 10 | | | | 1,412 VA | . | 123.007 | 0 | | 3,34 | O VA | | CON | INECTED: | 7 470 \/A | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | CALCULATED | | | |
| | | | | | | | | | | | | | INECTED: | | |
| | | | | | | | | | | | C | CALCULATED | DEMAND: | 11 A | |
| | | | | | | | | | | | C | CALCULATED | | | |
| OTES: | | | | | | | | | | | | | | | |

| 3,050 | C (VA) POLE | TRIP S (A) | LOAD CLASS. CIRC | UIT DESCRIPTION | СК | |
|---------|--------------------------------|---------------|---------------------|-------------------------------|---|--|
| | 3,050 | | | | | |
| | 3,050 | | | | 4 | |
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| | | | | | 4 | |
| | | | | | 4 | |
| 3,050 | 3,050 11 CALCULATED DEMA | | | | | |
| | AND | PANEL TOTALS | | | | |
| 125.00% | 11,438 VA | | CONNECTED: | Q 150 VA | | |
| | | | | | | |
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| | | - | | | | |
| | | | | CALCULATED DEMAND: CONNECTED: | CONNECTED: 9,150 VA CALCULATED DEMAND: 11,438 VA CONNECTED: 11 A CALCULATED DEMAND: 14 A | |
| _ | | | | | | |

| | LOCATION: ELE SUPPLY FROM: NH' MOUNTING: SUI ENCLOSURE: NEI | IRE S70 | RE S701C VOLTS: 480/277 Wye PHASES: 3 WIRES: 4 SUB FEED LUGS: No | | | | | | | | A.I.C. RATING: 65kA BUS RATING: 225 A MAINS TYPE: MLO MCB RATING: N/A | | | | |
|---------------|--|----------------|--|-----------|---|----|---------------------------------------|-------|----------|-------|---|----------------|-----------|-----------------|----|
| CKT | CIRCUIT DESCRIPTION | LOAD CLASS. | TRIP (A) | POLES | A (VA | | B (VA) | | C (A) | POLES | TRIP (A) | LOAD CLASS. | CIRCI | JIT DESCRIPTION | СК |
| <u>1</u> 3 | | | | | | | | | | | | | | | 4 |
| 5 | | | | | | | | | | | | | | | 6 |
| 7 | ROOF SECTOR A - LIGHTING | LTG | 20 | 1 | 339 | | | | | | | | | | 8 |
| 9 | NOOF SECTOR A - EIGHTING | LIG | 20 | I | 333 | | | | | | | | | | 10 |
| 11 | | | | | | | | | | | | | | | 12 |
| 13 | ROOF SECTOR B - LIGHTING | Other | 20 | 1 | 0 | | | | | | | | | | 14 |
| 15 | LEVEL 7 SECTOR A - WEST CORE | LTG | 20 | 1 | U | | 986 | | | | | | | | 16 |
| 17 | LEVEL 7 SECTOR A - SW OFFICE | LTG | 20 | 1 | | | 300 | 1,806 | | | | | | | 18 |
| 19 | LEVEL 7 SECTOR A LIGHTING | LTG | 20 | 1 | 1,528 | | | 1,000 | | | | | | | 20 |
| 21 | LEVEL 7 SECTOR A - EAST CORE | LTG | 20 | 1 | 1,020 | | 1,231 | | | | | | | | 22 |
| 23 | LEVEL 7 SECTOR A - LIGHTING | LTG | 20 | 1 | | | 1,201 | 1,527 | | | | | | | 24 |
| 25 | LEVEL 7 SECTOR A/B - S702C LIGHTING | LTG | 20 | 1 | 2,311 | | | 1,021 | | | | | | | 26 |
| 27 | LEVEL 7 SECTOR A/B - S702C LIGHTING | LTG | 20 | 1 | 2,311 | | 351 | | | | | | | | 28 |
| 29 | ELVEL / SECTOR A/B - S/020 EIGHTING | LIO | 20 | Į į | | | 331 | | | | | | | | 30 |
| 31 | | | | | | | | | | | | | | | 32 |
| 33 | | | | | | | | | | | | | | | 34 |
| 35 | | | | | | | | | | | | | | | 36 |
| 37 | | | | | | | | | | | | | | | 38 |
| 39 | | | | | | | | | | | | | | | 40 |
| 41 | | | | | | | | | | | | | | | 42 |
| 71 | | TO | TALLO | AD (VA): | 4,17 | 70 | 2,568 | 2.1 | 333 | | | | | | 72 |
| | | | | | | | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| | | Т | OTAL LO | OAD (A): | 16 | j | 9 | 1 | 2 | | | | | | |
| | | | | | DAD DEMAND FACTOR CALCULATED DEMAND 125.00% 12,599 VA | | | | | PANE | PANEL TOTALS | | | | |
| | | | | 10,079 VA | ١ | | | | | | | | | | |
| Other | | | | 0 VA | | 0 | .00% | | 0 | VA | | | ONNECTED: | <u> </u> | |
| | | | | | | | | | | | (| CALCULATE | DEMAND: | 12,599 VA | |
| | | | | | | | | | | | | CC | ONNECTED: | 12 A | |
| | | | | | | | | | | | | CALCULATE | DEMAND: | 15 A | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| NOTES | : | | | | | | | | | | | | | | |

| | LOCATION: E SUPPLY FROM: N MOUNTING: S ENCLOSURE: N | HPD23A URFACE | 301D | | SI | P | HASES: WIRES: | 4 | wye | | | | BUS RAT | TING: 42kA TING: 600 A YPE: MLO TING: N/A | | |
|----------------------|---|------------------|-------------|----------------------------|-------|----------------------------------|----------------------------|----------------|-------|--------------------------|-------|-------------|----------------|---|----------------------------|------------------------|
| CKT | CIRCUIT DESCRIPTION | LOAD CLASS. | TRIP (A) | POLES | | A ' A) 5,820 | | B 'A) | | C (A) | POLES | TRIP (A) | LOAD CLASS. | CIRCL | JIT DESCRIPTION | CK ⁻ |
| 3 | TEF-R-01 | PMTR | 15 | 3 | 2,101 | 3,020 | 2,107 | 5,820 | 2,107 | 5,820 | 3 | 40 | PMTR | PCHP-R-03-01 | | 4 |
| 7 9 11 | SFEF-R-01 | PMTR | 15 | 3 | 2,106 | 0 | 2,106 | 0 | 2,106 | 0 | 3 | 40 | PMTR | PCHP-R-03-01 | (REDUNDANT) | 8 10 12 |
| 17 | KEF-R-07 | PMTR | 20 | 3 | 3,050 | 0 | 3,050 | 0 | 3,050 | 0 | 3 | 15 | PMTR | KEF-R-09 | | 14 16 18 |
| 19 21 23 25 | VEF-R-02 | PMTR | 15 | 3 | 943 | 11,100 5,820 | 943 | 11,100 | 943 | 11,100 | 3 | 70 | PMTR | SHHWP-R-03 | | 20 22 24 26 |
| | PCHP-R-02-02 (REDUNDANT) | PMTR | 40 | 3 | 3,050 | 0 | 0 | 5,820 | 0 | 5,820 | 3 | 40 | PMTR | PCHP-R-01-01 | | 28 30 32 |
| | KEF-R-06 | PMTR | 20 | 3 | 2,107 | 2,106 | 3,050 | 0 | 3,050 | 0 | 3 | 40 | PMTR | PCHP-R-01-02 | (REDUNDANT) | 34 36 38 |
| 41 43 | KEF-R-08 | PMTR | 15 | 3 | 942 | 942 | 2,107 | 2,106 | 2,107 | 2,106 | 3 | 15 | PMTR | KEF-R-01 | | 40 42 44 |
| 45 47 49 | VEF-R-01 | PMTR | 15 | 3 | 582 | 1,330 | 942 | 942 | 942 | 942 | 3 | 15 | PMTR | KEF-R-02 | | 46 48 50 |
| 53 55 | VEF-R-04 | PMTR PMTR | 15 | 3 | 443 | 1,330 | 582 443 | 1,330 | 582 | 1,330 | 3 | 15 | PMTR PMTR | KEF-R-03 KEF-R-04 | | 52 54 56 58 |
| 59 61 | VEF-R-03 PCHP-R-02-01 | PMTR | 15 40 | 3 | 5,820 | 3,050 | 5,820 | 1,330 3,050 | 443 | 1,330 | 3 | 15 | PMTR | KEF-R-04 | | 60 62 64 |
| 65 67 69 | 1 3111 11 32 31 | | 10 | | | | 0,020 | 0,000 | 5,820 | 3,050 | | | 1 11111 | INEL TO O | | 66 68 70 |
| 71 73 75 | | | | | | | | | | | | | | | | 72 74 76 |
| 77 79 81 | | | | | | | | | | | | | | | | 78 80 82 |
| 83 | | | | AD (VA): OAD (A): | | 648 90 | | 648 90 | | 648 90 | | | | | | 84 |
| OAD O | CLASSIFICATION | | | NECTED 157,945 V | | | AND FA 0 105.27% | | CALC | ULATED 166,270 | DEMAN | D | | PANEI | _ TOTALS | |
| | | | | | | | | | | | | | CALCULATE | ED DEMAND: CONNECTED: | 166,270 VA 190 A | |
| | | | | | | | | | | | | | CALCULATE | ED DEMAND: | 200 A | |
| | | | | | | | | | | | | | | | | |



Gensler 811 SW 6TH AVE SUITE 300 PORTLAND, OR 97204 TEL 971.277.2370

pae-engineers.com

Lumald.com

riangle Date Description

05/02/2023 PROGRESS SET

PRICING
02/22/2024 CD - MEP BID SET

A 07/11/2024 PLAN CHECK RESPONSE 1 1 10/11/2024 ISSSUE FOR CONSTRUCTION

03/29/2024 Issue for Permit

02/03/2023 | CONSOLIDATED PROGRESS SET

12/22/2023 CD PROGRESS SET FOR PERMIT AND

A.I.C. RATING: 65kA

MCB RATING: N/A

BUS RATING: 1,200 A MAINS TYPE: MLO

TOTAL LOAD (VA): 56,037 52,007 56,221
TOTAL LOAD (A): 205 188 205 LOAD CLASSIFICATION CONNECTED LOAD DEMAND FACTOR CALCULATED DEMAND PANEL TOTALS 12,395 VA 125.00% 15,494 VA CONNECTED: 164,265 VA 0 VA 0.00% 0 VA CALCULATED DEMAND: 109,066 VA 25,200 VA 100.00% 25,200 VA 50 VA 125.00% 62 VA CONNECTED: 198 A CALCULATED DEMAND: 131 A 126,620 VA 53.95% 68,310 VA

VOLTS: 480/277 Wye

PHASES: 3

SUB FEED LUGS: No

WIRES: 4

PANELBOARD: NH7D11A

SUPPLY FROM: 42-SWB-01A

ENCLOSURE: NEMA-1

MOUNTING: SURFACE

LOCATION: ELECTRICAL/FIRE S701C

PANELBOARD: NH7D14B LOCATION: ELECTRICAL/FIRE N701C A.I.C. RATING: 42kA VOLTS: 480/277 Wye BUS RATING: 1,200 A SUPPLY FROM: 42-SWB-04B PHASES: 3 MOUNTING: SURFACE WIRES: 4 MAINS TYPE: MLO **ENCLOSURE**: NEMA-1 SUB FEED LUGS: No MCB RATING: N/A NH7B24B TOTAL LOAD (VA): 56,890 59,062 56,380
TOTAL LOAD (A): 206 214 204

| LOAD CLASSIFICATION | CONNECTED LOAD | DEMAND FACTOR | CALCULATED DEMAND | PANEL TOTALS | | |
|---------------------|----------------|---------------|-------------------|--------------------|------------|--|
| LTG | 7,472 VA | 125.00% | 9,340 VA | | | |
| PNON | 61,940 VA | 100.00% | 61,940 VA | CONNECTED: | 172,332 VA | |
| PREC | 102,920 VA | 54.86% | 56,460 VA | CALCULATED DEMAND: | 127,740 VA | |
| | | | | CONNECTED: | 207 A | |
| | | | | CALCULATED DEMAND: | 154 A | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| NOTES: | <u> </u> | | | | | |

Seal / Signature

Project Name

MICRON BUILDING B42

SCHEDULES - ELECTRICAL

NOT TO SCALE

E8.005

City of Boise Stamps

| NH7B24B | NH7B21A | - |
|---------|---------|---------|
| NHPB12B | NHPB13A | NH7D11A |
| - | - | NH7D14E |

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