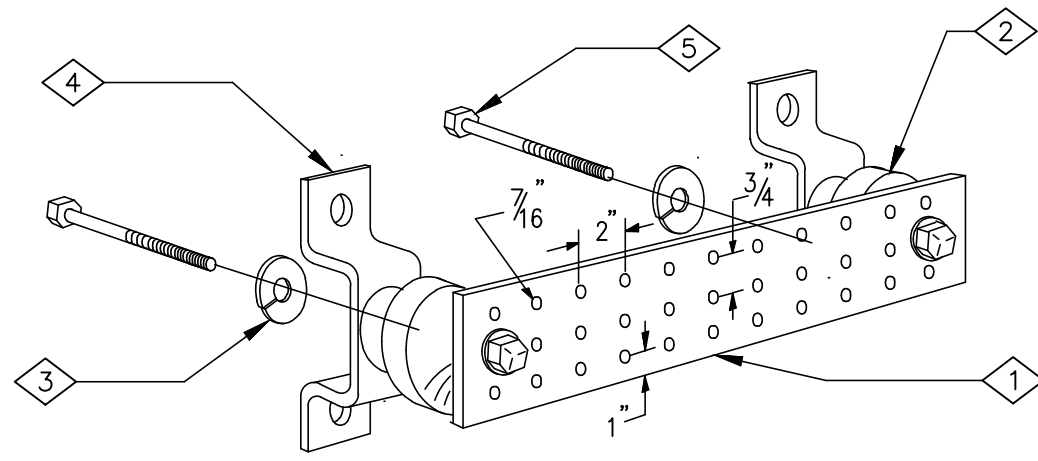


NOTES:

- ① MAKE CONNECTION WITHIN 5' OF EXTERIOR FOUNDATION WALL (ON INTERIOR C.W. LINE)
- ② SEE DETAIL #3 FOR MORE INFORMATION.

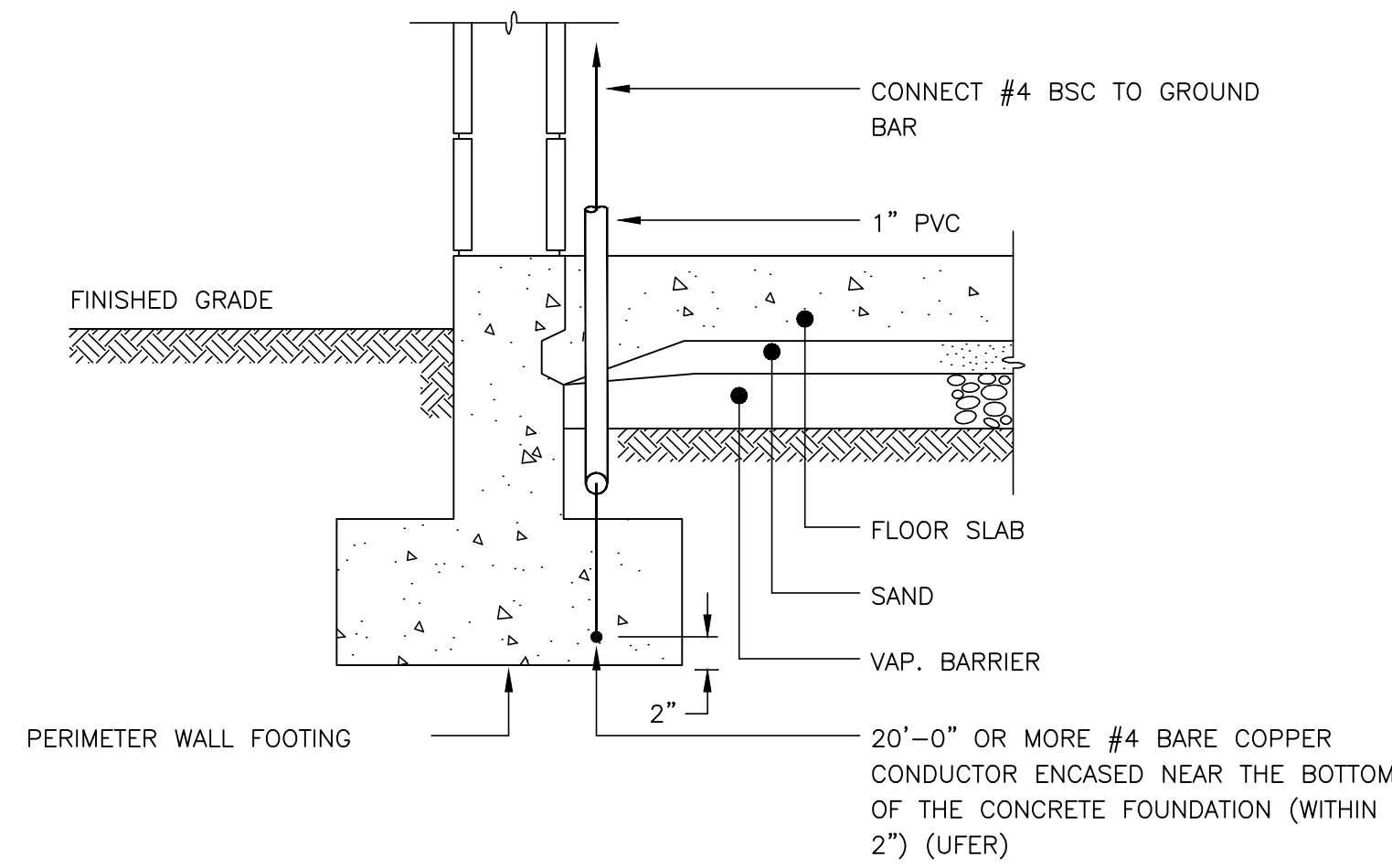
1 GROUND BAR WIRING DETAIL  
NTS



NOTES:

- ① COPPER GROUND BAR, 1/4" X 4" X 1/8", NEWTON INSTRUMENT CO. CAT. NO. B-6142 (OR EQUAL). HOLE CENTERS TO MATCH NEMA DOUBLE LUG CONFIGURATION.
- ② INSULATORS, NEWTON INSTRUMENT CAT. NO. 3061-4 (OR EQUAL).
- ③ 5/8" LOCKWASHERS, NEWTON INSTRUMENT CO. CAT. NO. 3015-8 (OR EQUAL).
- ④ WALL MOUNTING BRACKET, NEWTON INSTRUMENT CO. CAT NO. A-6056 (OR EQUAL).
- ⑤ 5/8-11 X 1" H.H.C.S. BOLTS, NEWTON INSTRUMENT CO. CAT NO. 3012-1 (OR EQUAL).

2 GROUND BUS BAR DETAIL  
NTS



3 UFER GROUNDING DETAIL  
NTS

| SYMBOLS                 | DESIGNATION SYMBOLS  | NOTES |
|-------------------------|--|-------|
| (A)                     | COLUMN LINE  |       |
| 15ONG                   | FEEDER DESIGNATION TAG   |       |
| DETAIL REFERENCE BUBBLE |  |       |
| (A)                     | DETAIL NUMBER  |       |
| (E1.1)                  | SHEET BEARING DETAIL   |       |
| A □ 22                  | FIXTURE DESIGNATION<br>UPPER CASE LETTER INDICATES FIXTURE TYPE.<br>LOWER CASE LETTER INDICATES SWITCH LEG<br>NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN). |       |
| ⌚                       | LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN)  |       |
| 22 ⌚                    | NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)  |       |

| SYMBOLS | WIRING DEVICE SYMBOLS  | NOTES |
|---------|--|-------|
| ⌚       | 20A, 125V, DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE                                      |       |
| ⌚       | 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE                               |       |
| ⌚       | SPECIAL PURPOSE RECEPTACLE OUTLET, +18" UNLESS NOTED OTHERWISE, NEMA CONFIGURATION AS NOTED ON PLANS |       |
| ⌚ F     | DUPLEX OUTLET DEDICATED FOR VENTILATION FANS   |       |
| ⌚ GF1   | DUPLEX OUTLET WITH GROUND FAULT INTERRUPTER  |       |
| ⌚       | CEILING MOUNTED 20A, 125V, DUPLEX RECEPTACLE OUTLET  |       |
| ⌚       | CEILING MOUNTED 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET   |       |
| ⌚       | SPST WALL SWITCH, LETTERS INDICATE THE NUMBER OF SWITCHES AND OUTLETS THEY CONTROL                   |       |
| ⌚ LV    | LOW VOLTAGE CONTACT SWITCH   |       |
| ⌚ D     | DIMMER SWITCH  |       |
| ⌚ OS    | OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED   |       |

| SYMBOLS | TELECOMMUNICATION   | NOTES |
|---------|---|-------|
| ⌚       | COMBINATION (1) PORT TELEPHONE AND (2) PORT DATA OUTLET, +18" UNLESS NOTED OTHERWISE. |       |

GENERAL NOTES

1. ALL WORK SHOWN IS NEW, UNLESS NOTED OTHERWISE.
2. ALL WORK TO BE IN ACCORDANCE WITH NATIONAL ELECTRIC CODE, 2020 EDITION.
3. SEAL ALL CONDUIT PENETRATIONS OF FLOORS AND FIRE RATED ASSEMBLIES TO MAINTAIN FIRE RATING.
4. PROVIDE NEW TYPEWRITTEN DIRECTORIES REFLECTING WORK PERFORMED FOR ALL NEW PANELBOARDS IN THIS PROJECT.
5. PLANS ARE PREPARED WITH REQUIRED BRANCH CIRCUITS INDICATED BY CIRCUIT NUMBERS. PROVIDE AND INSTALL ALL CONDUITS, CONDUCTORS, BOXES, MISCELLANEOUS FITTINGS, ETC. FOR A COMPLETE AND OPERABLE SYSTEM (HOMERUN SHOWN). BRANCH CIRCUIT INSTALLATION SHALL COMPLY WITH SPECIFICATIONS AND N.E.C.
6. ALL NEUTRAL CONDUCTORS ON POWER BRANCH CIRCUITING ROUNDHOUSES TO BE #10 AWG UNLESS NOTED OTHERWISE.

| SYMBOLS        | POWER SYMBOLS   | NOTES |
|----------------|---|-------|
| ⌚              | MOTOR OUTLET  |       |
| ⌚              | FUSED DISCONNECT SWITCH<br>SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE    |       |
| ⌚              | HEAVY DUTY NON-FUSED DISCONNECT SWITCH<br>SWITCH XX/XX = AMP SWITCH/POLES |       |
| ⌚              | COMBINATION MOTOR STARTER   |       |
| S <sub>T</sub> | MANUAL MOTOR STARTER WITH THERMAL OVERLOAD                                |       |
| T <sub>1</sub> | TRANSFORMER   |       |
| T              | TRANSFORMER   |       |
| ⌚              | STATIONARY - CIRCUIT BREAKER; RATING AS SHOWN ON PLANS                    |       |
| ⌚              | DRAWOUT CIRCUIT BREAKER; RATING AS SHOWN ON PLANS                         |       |
| ⌚              | SWITCH AND FUSE; RATING AS SHOWN ON PLANS                                 |       |
| ⌚              | SWITCH AND FUSE; RATING AS SHOWN ON PLANS                                 |       |
| J              | JUNCTION BOX  |       |
| ⌚              | CEILING MOUNTED OCCUPANCY SENSOR  |       |
| ⌚              | FIRE ALARM PULL STATION   |       |
| ⌚              | FIRE ALARM ANNUNCIATOR PANEL  |       |
| ⌚              | FIRE ALARM SMOKE DETECTOR   |       |
| ⌚              | SECURITY SENSOR   |       |
| ⌚              | SURFACE MOUNTED PANELBOARD OR TERMINAL CABINET                            |       |
| ⌚              | FLUSH MOUNTED PANELBOARD OR TERMINAL CABINET                              |       |
| ⌚              | SECURITY CAMERA   |       |

SHEET LIST

|       |                            |
|-------|----------------------------|
| E0100 | GENERAL                    |
| E0101 | SINGLE LINE DIAGRAM        |
| E0102 | LOAD CALCULATIONS - BLDG 1 |
| E0103 | LOAD CALCULATIONS - BLDG 2 |
| E0200 | SITE PLAN - BLDG 1         |
| E0201 | SITE PLAN - BLDG 2         |
| E0300 | SPECIFICATIONS             |

AHJ STAMP

REVIEWED  
FOR  
CODE  
COMPLIANCE  
02/11/2026

WALTON CREEK  
TOWNHOMES

2075 Walton Creek Rd  
Steamboat Springs, CO

KASA  
ARCHITECTURE

3318 N Columbus St  
Arlington, VA 22207



WILDER ENGINEERING LLC  
Andrew Wilder PE  
1170 Blue Sage Drive  
Steamboat Springs, CO 80487  
P: 970-819-7848  
E: andy@wilder-eng.com



| Issue | By         | Date & Issue Description | By |
|-------|------------|--------------------------|----|
| -     | PERMIT SET | 4.17.25                  | AW |
| -     | PERMIT SET | 5.30.25                  | AW |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
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|       |            |                          |    |

|                 |                        |
|-----------------|------------------------|
| Scale:          | NTS                    |
|                 | 24x36                  |
| Description:    | GENERAL                |
| Project Name:   | WALTON CREEK TOWNHOMES |
| Project Number: | 2025010                |
| Sheet No.       | E0100                  |

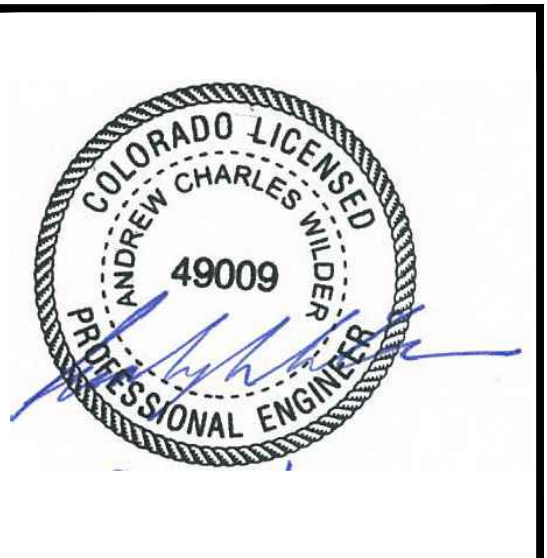
**REVIEWED  
FOR  
CODE  
COMPLIANCE**  
02/11/2026

**WALTON CREEK  
TOWNHOMES**  
2075 Walton Creek Rd  
Steamboat Springs, CO

**KASA  
ARCHITECTURE**  
3318 N Columbus St  
Arlington, VA 22207

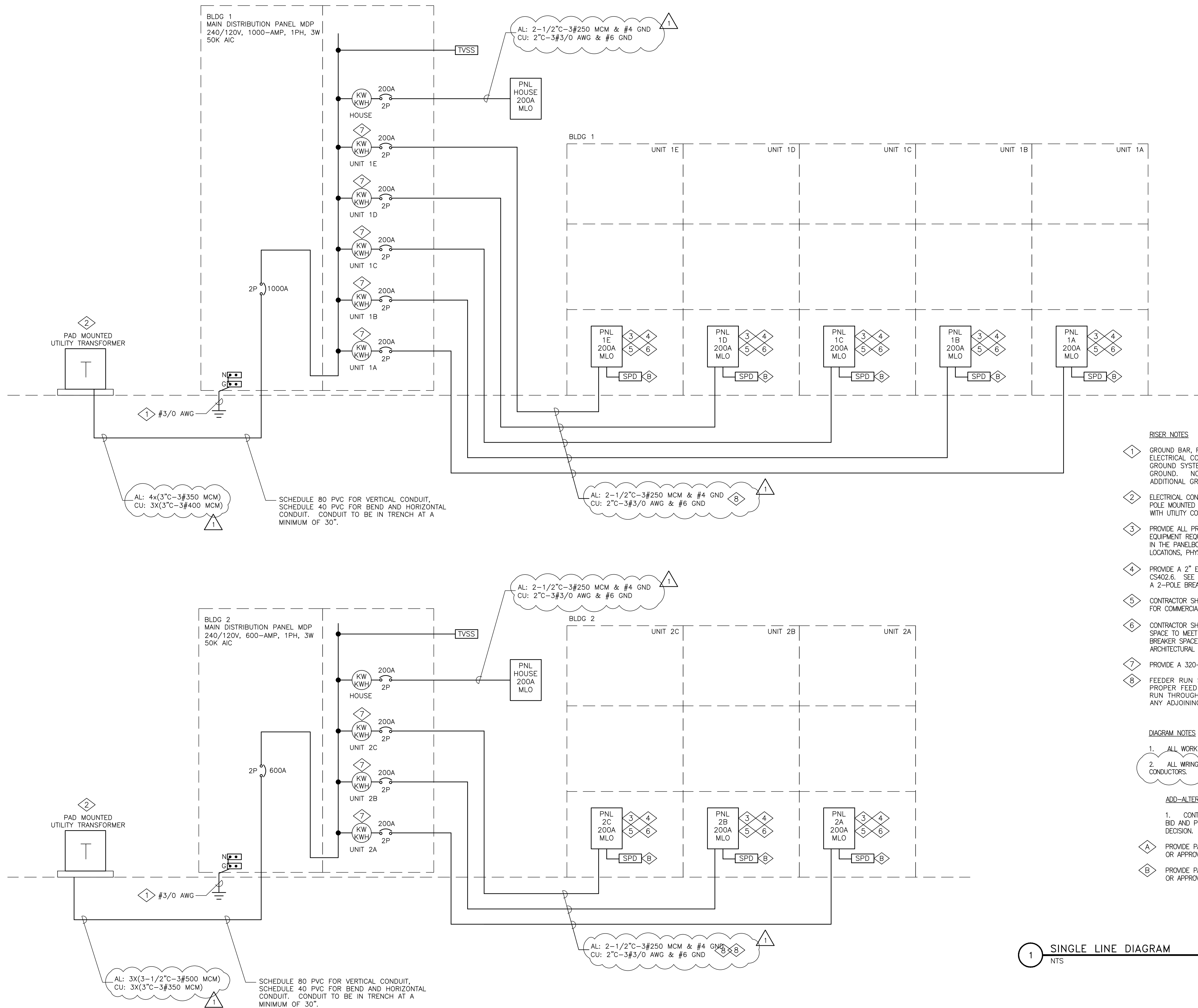


**WILDER ENGINEERING LLC**  
Andrew Wilder PE  
1170 Blue Sage Drive  
Steamboat Springs, CO 80487  
P: 970-819-7848  
E: andy@wilder-eng.com



| Issue | By         | Date & Issue Description | By |
|-------|------------|--------------------------|----|
| -     | PERMIT SET | 4.17.25                  | AW |
| -     | PERMIT SET | 5.30.25                  | AW |
| Δ     | RFI-13     | 7.29.25                  | AW |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |

|                 |                        |
|-----------------|------------------------|
| Scale:          | NTS                    |
|                 | 24x36                  |
| Description:    | SINGLE LINE            |
| Project Name:   | WALTON CREEK TOWNHOMES |
| Project Number: | 2025010                |
| Sheet No.       | <b>E0101</b>           |



- RISER NOTES**
- ① GROUND BAR, REFER TO DETAILS 1, 2 & 3 ON SHEET E0100 FOR MORE DETAIL. ELECTRICAL CONTRACTOR TO PERFORM A RESISTANCE TESTING OF THE GROUND SYSTEM INDICATING A MAXIMUM OF 5 OHMS RESISTANCE TO GROUND. NOTIFY DESIGN TEAM IF TEST RESULTS ARE HIGHER OR ADD ADDITIONAL GROUND RODS AS REQUIRED TO MEET THIS REQUIREMENT.
  - ② ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONNECTION TO UTILITY POLE MOUNTED TRANSFORMERS. COORDINATE CONNECTION SCHEDULE WITH UTILITY COMPANY DURING CONSTRUCTION.
  - ③ PROVIDE ALL PROVISIONS FOR COMMERCIAL ELECTRIC READY COMBUSTION EQUIPMENT REQUIREMENTS PER CE302.2. THESE INCLUDE CIRCUIT SPACE IN THE PANELBOARD, FUTURE CONNECTION INFRASTRUCTURE AT EQUIPMENT LOCATIONS, PHYSICAL SPACE REQUIREMENTS AND LABELING.
  - ④ PROVIDE A 2" EC FROM UNIT PANEL TO SOLAR READY ZONE ON ROOF PER CS402.6. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION. PROVIDE A 2-POLE BREAKER SPACE WITH LABELING PER CS402.7.
  - ⑤ CONTRACTOR SHALL RESERVE A 2-POLE BREAKER SPACE IN PANELBOARD FOR COMMERCIAL SOLAR PANEL CAPACITY PER CS410.2.
  - ⑥ CONTRACTOR SHALL PROVIDE A 2" EC FROM EACH UNIT PANEL TO A PARKING SPACE TO MEET THE EV CAPABLE LIGHT SPACE REQUIREMENTS. A 2-POLE BREAKER SPACE MUST BE DESIGNATED AND LABELED PER CV502.2. SEE ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
  - ⑦ PROVIDE A 320-AMP METER WITHIN METER STACK.
  - ⑧ FEEDER RUN SHALL BE UNDER FOUNDATION SLAB TO ENSURE PROPER FEED FOR TOWNHOME CONSTRUCTION. FEEDER SHALL NOT RUN THROUGH CONCEALED CEILINGS, WALLS, OR OTHER AREA OF ANY ADJOINING UNITS.

- DIAGRAM NOTES**
- 1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
  - 2. ALL WIRING SHOWN IS SIZED FOR BOTH ALUMINUM & COPPER CONDUCTORS.
- ADD-ALTERNATE PRICING NOTES**
- 1. CONTRACTOR TO PRICE ITEMS SHOWN AS AN ADD-ALTERNATE TO THE BID AND PRESENT TO OWNER AND DESIGN TEAM FOR DISCUSSION AND FINAL DECISION.
  - A PROVIDE PANEL INTEGRATED TIER 2 SURGE PROTECTION DEVICE, SIEMENS TYPE TPS3-12, OR APPROVED EQUAL.
  - B PROVIDE PANEL INTEGRATED TIER 2 SURGE PROTECTION DEVICE, SIEMENS TYPE TPS3-L1, OR APPROVED EQUAL.

① **SINGLE LINE DIAGRAM**  
NTS

| ELECTRIC LOAD SUMMARY  |                 |  |               |                            |
|--|-----------------|--|---------------|----------------------------|
| Client Name: KASA  |                 | Project Name: Walton Creek Townhomes - UNIT 1A |               |                            |
| Project No: 2025010  |                 | Date: May 30, 2025                             |               |                            |
| ELECTRIC LOAD SUMMARY  |                 |  |               |                            |
| Unit Calculation - 1A  | TYPE            | SQ. FT.  | VA            | TOTAL                      |
|  | Residential     | 2134   |               |                            |
|  | VA/S.F. OR QTY. |  |               | NOTES                      |
| <b>GENERAL LIGHTING LOAD</b>   |                 |  |               |                            |
| GENERAL LIGHTING   | 3               | 6,402  | 6,402         | Per NEC 220.82(B)(1)       |
| SMALL APPLIANCE  | 2               | 1,500  | 3,000         | Per NEC 220.82(B)(2)       |
| LAUNDRY  | 1               | 1,500  | 1,500         | Per NEC 220.82(B)(2)       |
| <b>TOTAL</b>   |                 |  | <b>10,902</b> |                            |
| <b>APPLIANCE LOADS</b>   |                 |  |               |                            |
| Per NEC 220.82(B)(3) & (4)   |                 |  |               |                            |
| DUEL FUEL RANGE / OVEN   | 1               | 8,000  | 8,000         |                            |
| REFRIGERATOR / FREEZER   | 1               | 1,500  | 1,500         |                            |
| MICROWAVE  | 1               | 1,500  | 1,500         |                            |
| HOOD   | 1               | 500  | 500           |                            |
| DISHWASHER   | 1               | 1,200  | 1,200         |                            |
| DRYER  | 1               | 5,000  | 5,000         |                            |
| WINE COOLER  | 1               | 1,000  | 1,000         |                            |
| DISPOSAL   | 1               | 1,500  | 1,500         |                            |
| HOT TUB  | 1               | 9,600  | 9,600         |                            |
| AV SYSTEM  | 1               | 1,000  | 1,000         |                            |
| MOTORIZED SHADE SYSTEM   | 1               | 1,000  | 1,000         |                            |
| SECURITY SYSTEM  | 1               | 1,000  | 1,000         |                            |
| STEAM SHOWER   | 0               | 12,000   | 0             |                            |
| DECK HEAT TAPE   | 1               | 4,000  | 4,000         |                            |
| EV CAR CHARGER   | 1               | 9,600  | 9,600         |                            |
| MISC MECH/PLUM   | 1               | 2,500  | 2,500         |                            |
| <b>TOTAL</b>   |                 |  | <b>48,900</b> |                            |
| <b>GEN. LTG AND APPLIANCE LOAD</b>   |                 |  |               |                            |
|  |                 |  | <b>59,802</b> |                            |
| <b>DEMAND FACTOR</b>   |                 |  |               |                            |
| 100% FIRST 10,000 VA   |                 |  |               |                            |
| 40% FOR REMAINDER OF LOAD  |                 |  |               |                            |
| <b>TOTAL</b>   |                 |  | <b>29,921</b> |                            |
| <b>HEATING &amp; COOLING</b>   |                 |  |               |                            |
| Per NEC 220.82.B   |                 |  |               |                            |
| FURNACE BLOWER   | 2               | 1,632  | 3,264         |                            |
| CONDENSER  | 2               | 3,048  | 6,096         |                            |
| UNIT HEATER  | 1               | 2,500  | 2,500         |                            |
| <b>TOTAL</b>   |                 |  | <b>11,860</b> |                            |
| <b>SUPPLEMENTAL HEATING</b>  |                 |  |               |                            |
| OVERHEAD HEATER  | 1               | 5,000  | 5,000         |                            |
| <b>SUPPLEMENTAL HEATING TOTAL</b>  |                 |  | <b>5,000</b>  |                            |
| <b>DEMAND FACTOR</b>   |                 |  |               |                            |
| 65% OF SUPPLEMENTAL HEATING LOAD   |                 |  |               |                            |
| <b>TOTAL</b>   |                 |  | <b>3,250</b>  |                            |
| <b>OVERALL TOTAL (VA)</b>  |                 |  |               |                            |
|  |                 |  | <b>45,031</b> | Gen. Ltg & Appl. Load + AC |
| <b>188 AMPS @ 240V, 1-PH</b>   |                 |  |               |                            |
| <b>200-AMPS NEW SINGLE PHASE FEEDER BASED ON NEC OPTIONAL LOAD CALCULATION</b> |                 |  |               |                            |

| ELECTRIC LOAD SUMMARY  |                 |  |               |                            |
|--|-----------------|--|---------------|----------------------------|
| Client Name: KASA  |                 | Project Name: Walton Creek Townhomes - UNIT 1B / C / D |               |                            |
| Project No: 2025010  |                 | Date: May 30, 2025                                     |               |                            |
| ELECTRIC LOAD SUMMARY  |                 |  |               |                            |
| Unit Calculation - 1B / C / D  | TYPE            | SQ. FT.  | VA            | TOTAL                      |
|  | Residential     | 1901   |               |                            |
|  | VA/S.F. OR QTY. |  |               | NOTES                      |
| <b>GENERAL LIGHTING LOAD</b>   |                 |  |               |                            |
| GENERAL LIGHTING   | 3               | 5,703  | 5,703         | Per NEC 220.82(B)(1)       |
| SMALL APPLIANCE  | 2               | 1,500  | 3,000         | Per NEC 220.82(B)(2)       |
| LAUNDRY  | 1               | 1,500  | 1,500         | Per NEC 220.82(B)(2)       |
| <b>TOTAL</b>   |                 |  | <b>10,203</b> |                            |
| <b>APPLIANCE LOADS</b>   |                 |  |               |                            |
| Per NEC 220.82(B)(3) & (4)   |                 |  |               |                            |
| DUEL FUEL RANGE / OVEN   | 1               | 8,000  | 8,000         |                            |
| REFRIGERATOR / FREEZER   | 1               | 1,500  | 1,500         |                            |
| MICROWAVE  | 1               | 1,500  | 1,500         |                            |
| HOOD   | 1               | 500  | 500           |                            |
| DISHWASHER   | 1               | 1,200  | 1,200         |                            |
| DRYER  | 1               | 5,000  | 5,000         |                            |
| WINE COOLER  | 1               | 1,000  | 1,000         |                            |
| DISPOSAL   | 1               | 1,500  | 1,500         |                            |
| HOT TUB  | 1               | 9,600  | 9,600         |                            |
| AV SYSTEM  | 1               | 1,000  | 1,000         |                            |
| MOTORIZED SHADE SYSTEM   | 1               | 1,000  | 1,000         |                            |
| SECURITY SYSTEM  | 1               | 1,000  | 1,000         |                            |
| STEAM SHOWER   | 0               | 12,000   | 0             |                            |
| DECK HEAT TAPE   | 1               | 4,000  | 4,000         |                            |
| EV CAR CHARGER   | 1               | 9,600  | 9,600         |                            |
| MISC MECH/PLUM   | 1               | 2,500  | 2,500         |                            |
| <b>TOTAL</b>   |                 |  | <b>48,900</b> |                            |
| <b>GEN. LTG AND APPLIANCE LOAD</b>   |                 |  |               |                            |
|  |                 |  | <b>59,103</b> |                            |
| <b>DEMAND FACTOR</b>   |                 |  |               |                            |
| 100% FIRST 10,000 VA   |                 |  |               |                            |
| 40% FOR REMAINDER OF LOAD  |                 |  |               |                            |
| <b>TOTAL</b>   |                 |  | <b>29,641</b> |                            |
| <b>HEATING &amp; COOLING</b>   |                 |  |               |                            |
| Per NEC 220.82.B   |                 |  |               |                            |
| FURNACE BLOWER   | 2               | 1,632  | 3,264         |                            |
| CONDENSER  | 2               | 3,048  | 6,096         |                            |
| UNIT HEATER  | 1               | 2,500  | 2,500         |                            |
| <b>TOTAL</b>   |                 |  | <b>11,860</b> |                            |
| <b>SUPPLEMENTAL HEATING</b>  |                 |  |               |                            |
| OVERHEAD HEATER  | 1               | 5,000  | 5,000         |                            |
| <b>SUPPLEMENTAL HEATING TOTAL</b>  |                 |  | <b>5,000</b>  |                            |
| <b>DEMAND FACTOR</b>   |                 |  |               |                            |
| 65% OF SUPPLEMENTAL HEATING LOAD   |                 |  |               |                            |
| <b>TOTAL</b>   |                 |  | <b>3,250</b>  |                            |
| <b>OVERALL TOTAL (VA)</b>  |                 |  |               |                            |
|  |                 |  | <b>44,791</b> | Gen. Ltg & Appl. Load + AC |
| <b>186 AMPS @ 240V, 1-PH</b>   |                 |  |               |                            |
| <b>200-AMPS NEW SINGLE PHASE FEEDER BASED ON NEC OPTIONAL LOAD CALCULATION</b> |                 |  |               |                            |

| ELECTRIC LOAD SUMMARY  |                 |  |               |                            |
|--|-----------------|--|---------------|----------------------------|
| Client Name: KASA  |                 | Project Name: Walton Creek Townhomes - UNIT 1E |               |                            |
| Project No: 2025010  |                 | Date: May 30, 2025                             |               |                            |
| ELECTRIC LOAD SUMMARY  |                 |  |               |                            |
| Unit Calculation - 1E  | TYPE            | SQ. FT.  | VA            | TOTAL                      |
|  | Residential     | 1435   |               |                            |
|  | VA/S.F. OR QTY. |  |               | NOTES                      |
| <b>GENERAL LIGHTING LOAD</b>   |                 |  |               |                            |
| GENERAL LIGHTING   | 3               | 4,305  | 4,305         | Per NEC 220.82(B)(1)       |
| SMALL APPLIANCE  | 2               | 1,500  | 3,000         | Per NEC 220.82(B)(2)       |
| LAUNDRY  | 1               | 1,500  | 1,500         | Per NEC 220.82(B)(2)       |
| <b>TOTAL</b>   |                 |  | <b>8,805</b>  |                            |
| <b>APPLIANCE LOADS</b>   |                 |  |               |                            |
| Per NEC 220.82(B)(3) & (4)   |                 |  |               |                            |
| DUEL FUEL RANGE / OVEN   | 1               | 8,000  | 8,000         |                            |
| REFRIGERATOR / FREEZER   | 1               | 1,500  | 1,500         |                            |
| MICROWAVE  | 1               | 1,500  | 1,500         |                            |
| HOOD   | 1               | 500  | 500           |                            |
| DISHWASHER   | 1               | 1,200  | 1,200         |                            |
| DRYER  | 1               | 5,000  | 5,000         |                            |
| WINE COOLER  | 1               | 1,000  | 1,000         |                            |
| DISPOSAL   | 1               | 1,500  | 1,500         |                            |
| HOT TUB  | 1               | 9,600  | 9,600         |                            |
| AV SYSTEM  | 1               | 1,000  | 1,000         |                            |
| MOTORIZED SHADE SYSTEM   | 1               | 1,000  | 1,000         |                            |
| SECURITY SYSTEM  | 1               | 1,000  | 1,000         |                            |
| STEAM SHOWER   | 0               | 12,000   | 0             |                            |
| DECK HEAT TAPE   | 1               | 4,000  | 4,000         |                            |
| EV CAR CHARGER   | 1               | 9,600  | 9,600         |                            |
| MISC MECH/PLUM   | 1               | 2,500  | 2,500         |                            |
| <b>TOTAL</b>   |                 |  | <b>47,900</b> |                            |
| <b>GEN. LTG AND APPLIANCE LOAD</b>   |                 |  |               |                            |
|  |                 |  | <b>56,705</b> |                            |
| <b>DEMAND FACTOR</b>   |                 |  |               |                            |
| 100% FIRST 10,000 VA   |                 |  |               |                            |
| 40% FOR REMAINDER OF LOAD  |                 |  |               |                            |
| <b>TOTAL</b>   |                 |  | <b>28,682</b> |                            |
| <b>HEATING &amp; COOLING</b>   |                 |  |               |                            |
| Per NEC 220.82.B   |                 |  |               |                            |
| FURNACE BLOWER   | 2               | 1,632  | 3,264         |                            |
| CONDENSER  | 2               | 3,048  | 6,096         |                            |
| UNIT HEATER  | 1               | 2,500  | 2,500         |                            |
| <b>TOTAL</b>   |                 |  | <b>11,860</b> |                            |
| <b>SUPPLEMENTAL HEATING</b>  |                 |  |               |                            |
| OVERHEAD HEATER  | 1               | 5,000  | 5,000         |                            |
| <b>SUPPLEMENTAL HEATING TOTAL</b>  |                 |  | <b>5,000</b>  |                            |
| <b>DEMAND FACTOR</b>   |                 |  |               |                            |
| 65% OF SUPPLEMENTAL HEATING LOAD   |                 |  |               |                            |
| <b>TOTAL</b>   |                 |  | <b>3,250</b>  |                            |
| <b>OVERALL TOTAL (VA)</b>  |                 |  |               |                            |
|  |                 |  | <b>43,782</b> | Gen. Ltg & Appl. Load + AC |
| <b>182 AMPS @ 240V, 1-PH</b>   |                 |  |               |                            |
| <b>200-AMPS NEW SINGLE PHASE FEEDER BASED ON NEC OPTIONAL LOAD CALCULATION</b> |                 |  |               |                            |

| ELECTRIC LOAD SUMMARY                |                 |   |                |               |
|--------------------------------------|-----------------|---|----------------|---------------|
| Client Name: KASA                    |                 | Project Name: Walton Creek Townhomes - BLDG 1 |                |               |
| Project No: 2025010                  |                 | Date: May 30, 2025                            |                |               |
| Overall Service Calculation - BLDG 1 |                 |   |                |               |
|                                      | VA/S.F. OR QTY. | VA  | TOTAL          | NOTES         |
| <b>LARGEST HEATING/COOLING</b>       |                 |   |                |               |
| UNIT 1A                              | 1               | 11,860  | 11,860         | See unit calc |
| UNIT 1B / C / D                      | 3               | 11,860  | 35,580         | See unit calc |
| UNIT 1E                              | 1               | 11,860  | 11,860         | See unit calc |
| <b>TOTAL OTHER LOAD</b>              |                 |   |                |               |
| UNIT 1A                              | 1               | 55,052  | 55,052         | See unit calc |
| UNIT 1B / C / D                      | 3               | 54,353  | 163,059        | See unit calc |
| UNIT 1E                              | 1               | 51,955  | 51,955         | See unit calc |
| <b>ELECTRIC COOKING</b>              |                 |   |                |               |
| UNIT 1A                              | 1               | 8,000   | 8,000          | See unit calc |
| UNIT 1B / C / D                      | 3               | 8,000   | 24,000         | See unit calc |
| UNIT 1E                              | 1               | 8,000   | 8,000          | See unit calc |
| <b>TOTAL</b>                         |                 | <b>212,940</b>                                | <b>361,366</b> |               |
| <b>DEMAND FACTOR</b>                 |                 |   |                |               |
| 45% OF TOTAL LOAD                    |                 |   |                |               |
| <b>TOTAL RESIDENTIAL LOAD</b>        |                 |   | <b>162,615</b> | VA            |
| <b>HOUSE LOAD</b>                    |                 |   |                |               |
| HEAT TAPE                            | 13              | 3,000   | 39,000         |               |
| SITE LIGHTING                        | 1               | 2,500   | 2,500          |               |
| SITE POWER                           | 1               | 4,000   | 4,000          |               |
| IRRIGATION CONTROL                   | 1               | 1,000   | 1,000          |               |
| FIRE PIT                             | 1               | 500   | 500            |               |
| <b>TOTAL HOUSE PANEL LOAD</b>        |                 |   | <b>47,000</b>  | VA            |
| <b>TOTAL BUILDING LOAD</b>           |                 |   | <b>209,615</b> | VA            |
| <b>873 AMPS @ 240V, 1-PH</b>         |                 |   |                |               |

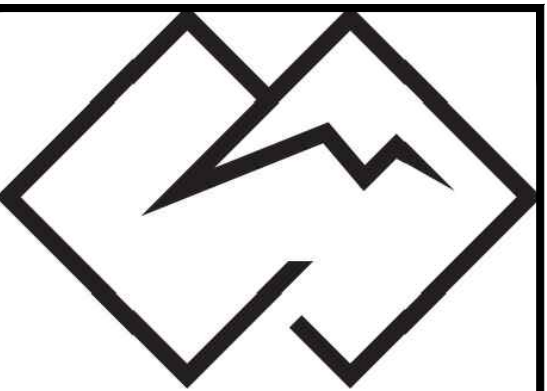
1 LOAD CALCULATIONS - BLDG 1  
NTS

AHJ STAMP

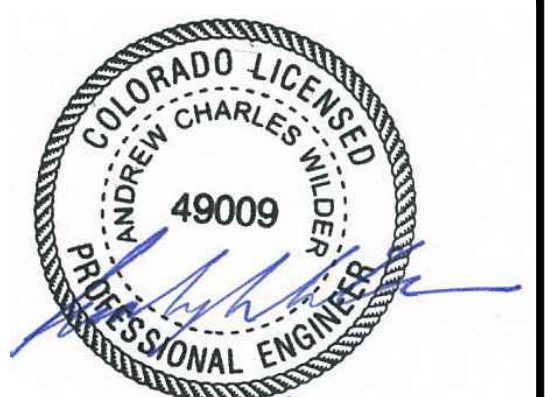
REVIEWED FOR CODE COMPLIANCE  
02/11/2026

WALTON CREEK TOWNHOMES  
2075 Walton Creek Rd  
Steamboat Springs, CO

KASA ARCHITECTURE  
3318 N Columbus St  
Arlington, VA 22207



WILDER ENGINEERING LLC  
Andrew Wilder PE  
1170 Blue Sage Drive  
Steamboat Springs, CO 80487  
P: 970-819-7848  
E: andy@wilder-eng.com



| Issue | By         | Date & Issue Description | By |
|-------|------------|--------------------------|----|
| -     | PERMIT SET | 4.17.25                  | AW |
| -     | PERMIT SET | 5.30.25                  | AW |

Scale: NTS  
24x36  
Description: LOAD CALCS - BLDG 1  
Project Name: WALTON CREEK TOWNHOMES  
Project Number: 2025010  
Sheet No.  
**E0102**

| ELECTRIC LOAD SUMMARY   |                 |                             |               |                            |
|---|-----------------|-----------------------------|---------------|----------------------------|
| Client Name: KASA   |                 | Walton Creek Townhomes - 2A |               |                            |
| Project Name: Walton Creek Townhomes - 2A                               |                 | Project No: 2025010         |               |                            |
| Date: May 30, 2025  |                 |                             |               |                            |
| ELECTRIC LOAD SUMMARY   |                 |                             |               |                            |
| Unit Calculation - 2A   | TYPE            | SQ. FT.                     |               |                            |
|   | Residential     | 1004                        |               |                            |
|   | VA/S.F. OR QTY. | VA                          | TOTAL         | NOTES                      |
| <b>GENERAL LIGHTING LOAD</b>  |                 |                             |               |                            |
| GENERAL LIGHTING  | 3               | 3,012                       | 3,012         | Per NEC 220.82(B)(1)       |
| SMALL APPLIANCE   | 2               | 1,500                       | 3,000         | Per NEC 220.82(B)(2)       |
| LAUNDRY   | 1               | 1,500                       | 1,500         | Per NEC 220.82(B)(2)       |
| <b>TOTAL</b>  |                 |                             | <b>7,512</b>  |                            |
| <b>APPLIANCE LOADS</b>  |                 |                             |               |                            |
| Per NEC 220.82(B)(3) & (4)  |                 |                             |               |                            |
| DUEL FUEL RANGE / OVEN  | 1               | 8,000                       | 8,000         |                            |
| REFRIGERATOR / FREEZER  | 1               | 1,500                       | 1,500         |                            |
| MICROWAVE   | 1               | 1,500                       | 1,500         |                            |
| HOOD  | 1               | 500                         | 500           |                            |
| DISHWASHER  | 1               | 1,200                       | 1,200         |                            |
| DRYER   | 1               | 5,000                       | 5,000         |                            |
| DISPOSAL  | 1               | 1,500                       | 1,500         |                            |
| HOT TUB   | 1               | 9,600                       | 9,600         |                            |
| AV SYSTEM   | 1               | 1,000                       | 1,000         |                            |
| MOTORIZED SHADE SYSTEM  | 1               | 1,000                       | 1,000         |                            |
| SECURITY SYSTEM   | 1               | 1,000                       | 1,000         |                            |
| STEAM SHOWER  | 0               | 12,000                      | 0             |                            |
| DECK HEAT TAPE  | 1               | 4,000                       | 4,000         |                            |
| EV CAR CHARGER  | 1               | 9,600                       | 9,600         |                            |
| MISC MECH/PLUM  | 1               | 2,500                       | 2,500         |                            |
| <b>TOTAL</b>  |                 |                             | <b>47,900</b> |                            |
| <b>GEN. LTG AND APPLIANCE LOAD</b>                                      |                 |                             |               |                            |
|   |                 |                             | <b>55,412</b> |                            |
| <b>DEMAND FACTOR</b>  |                 |                             |               |                            |
| NOTES   |                 |                             |               |                            |
| 100% FIRST 10,000 VA  |                 | 10000                       |               | Per NEC 220.82             |
| 40% FOR REMAINDER OF LOAD   |                 | 18165                       |               | Per NEC 220.82(B)          |
| <b>TOTAL</b>  |                 |                             | <b>28,165</b> |                            |
| <b>HEATING &amp; COOLING</b>  |                 |                             |               |                            |
| Per NEC 220.82.B  |                 |                             |               |                            |
| FURNACE BLOWER  | 2               | 1,632                       | 3,264         |                            |
| CONDENSER   | 2               | 3,048                       | 6,096         |                            |
| UNIT HEATER   | 1               | 2,500                       | 2,500         |                            |
| <b>TOTAL</b>  |                 |                             | <b>11,860</b> |                            |
| <b>SUPPLEMENTAL HEATING</b>   |                 |                             |               |                            |
| OVERHEAD HEATER   | 1               | 5000                        | 5,000         |                            |
| <b>SUPPLEMENTAL HEATING TOTAL</b>                                       |                 |                             |               |                            |
|   |                 |                             | 5,000         |                            |
| <b>DEMAND FACTOR</b>  |                 |                             |               |                            |
| NOTES   |                 |                             |               |                            |
| 65% OF SUPPLEMENTAL HEATING LOAD  |                 |                             | 3,250         | Per NEC 220.82.C.4         |
| <b>TOTAL</b>  |                 |                             | <b>3,250</b>  |                            |
| <b>OVERALL TOTAL (VA)</b>   |                 |                             |               |                            |
|   |                 |                             | <b>43,275</b> | Gen. Ltg & Appl. Load + AC |
| 180 AMPS @ 240V, 1-PH   |                 |                             |               |                            |
| 200-AMPS NEW SINGLE PHASE FEEDER BASED ON NEC OPTIONAL LOAD CALCULATION |                 |                             |               |                            |

| ELECTRIC LOAD SUMMARY   |                 |                                      |               |                            |
|---|-----------------|--------------------------------------|---------------|----------------------------|
| Client Name: KASA   |                 | Walton Creek Townhomes - UNIT 2B / C |               |                            |
| Project Name: Walton Creek Townhomes - UNIT 2B / C                      |                 | Project No: 2025010                  |               |                            |
| Date: May 30, 2025  |                 |                                      |               |                            |
| ELECTRIC LOAD SUMMARY   |                 |                                      |               |                            |
| Unit Calculation - 2B / C   | TYPE            | SQ. FT.                              |               |                            |
|   | Residential     | 1798                                 |               |                            |
|   | VA/S.F. OR QTY. | VA                                   | TOTAL         | NOTES                      |
| <b>GENERAL LIGHTING LOAD</b>  |                 |                                      |               |                            |
| GENERAL LIGHTING  | 3               | 5,394                                | 5,394         | Per NEC 220.82(B)(1)       |
| SMALL APPLIANCE   | 2               | 1,500                                | 3,000         | Per NEC 220.82(B)(2)       |
| LAUNDRY   | 1               | 1,500                                | 1,500         | Per NEC 220.82(B)(2)       |
| <b>TOTAL</b>  |                 |                                      | <b>9,894</b>  |                            |
| <b>APPLIANCE LOADS</b>  |                 |                                      |               |                            |
| Per NEC 220.82(B)(3) & (4)  |                 |                                      |               |                            |
| DUEL FUEL RANGE / OVEN  | 1               | 8,000                                | 8,000         |                            |
| REFRIGERATOR / FREEZER  | 1               | 1,500                                | 1,500         |                            |
| MICROWAVE   | 1               | 1,500                                | 1,500         |                            |
| HOOD  | 1               | 500                                  | 500           |                            |
| DISHWASHER  | 1               | 1,200                                | 1,200         |                            |
| DRYER   | 1               | 5,000                                | 5,000         |                            |
| DISPOSAL  | 1               | 1,500                                | 1,500         |                            |
| HOT TUB   | 1               | 9,600                                | 9,600         |                            |
| AV SYSTEM   | 1               | 1,000                                | 1,000         |                            |
| MOTORIZED SHADE SYSTEM  | 1               | 1,000                                | 1,000         |                            |
| SECURITY SYSTEM   | 1               | 1,000                                | 1,000         |                            |
| STEAM SHOWER  | 0               | 12,000                               | 0             |                            |
| DECK HEAT TAPE  | 1               | 4,000                                | 4,000         |                            |
| EV CAR CHARGER  | 1               | 9,600                                | 9,600         |                            |
| MISC MECH/PLUM  | 1               | 2,500                                | 2,500         |                            |
| <b>TOTAL</b>  |                 |                                      | <b>47,900</b> |                            |
| <b>GEN. LTG AND APPLIANCE LOAD</b>                                      |                 |                                      |               |                            |
|   |                 |                                      | <b>57,794</b> |                            |
| <b>DEMAND FACTOR</b>  |                 |                                      |               |                            |
| NOTES   |                 |                                      |               |                            |
| 100% FIRST 10,000 VA  |                 | 10000                                |               | Per NEC 220.82             |
| 40% FOR REMAINDER OF LOAD   |                 | 19118                                |               | Per NEC 220.82(B)          |
| <b>TOTAL</b>  |                 |                                      | <b>29,118</b> |                            |
| <b>HEATING &amp; COOLING</b>  |                 |                                      |               |                            |
| Per NEC 220.82.B  |                 |                                      |               |                            |
| FURNACE BLOWER  | 2               | 1,632                                | 3,264         |                            |
| CONDENSER   | 2               | 3,048                                | 6,096         |                            |
| UNIT HEATER   | 1               | 2,500                                | 2,500         |                            |
| <b>TOTAL</b>  |                 |                                      | <b>11,860</b> |                            |
| <b>SUPPLEMENTAL HEATING</b>   |                 |                                      |               |                            |
| OVERHEAD HEATER   | 1               | 5000                                 | 5,000         |                            |
| <b>SUPPLEMENTAL HEATING TOTAL</b>                                       |                 |                                      |               |                            |
|   |                 |                                      | 5,000         |                            |
| <b>DEMAND FACTOR</b>  |                 |                                      |               |                            |
| NOTES   |                 |                                      |               |                            |
| 65% OF SUPPLEMENTAL HEATING LOAD  |                 |                                      | 3,250         | Per NEC 220.82.C.4         |
| <b>TOTAL</b>  |                 |                                      | <b>3,250</b>  |                            |
| <b>OVERALL TOTAL (VA)</b>   |                 |                                      |               |                            |
|   |                 |                                      | <b>44,228</b> | Gen. Ltg & Appl. Load + AC |
| 184 AMPS @ 240V, 1-PH   |                 |                                      |               |                            |
| 200-AMPS NEW SINGLE PHASE FEEDER BASED ON NEC OPTIONAL LOAD CALCULATION |                 |                                      |               |                            |

| ELECTRIC LOAD SUMMARY                         |                 |                                 |                   |                          |
|---|-----------------|---------------------------------|-------------------|--------------------------|
| Client Name: KASA                             |                 | Walton Creek Townhomes - BLDG 2 |                   |                          |
| Project Name: Walton Creek Townhomes - BLDG 2 |                 | Project No: 2025010             |                   |                          |
| Date: May 30, 2025                            |                 |                                 |                   |                          |
| Overall Service Calculation - BLDG 2          |                 |                                 |                   |                          |
|   | VA/S.F. OR QTY. | VA                              | TOTAL             | NOTES                    |
| <b>LARGEST HEATING/COOLING</b>                |                 |                                 |                   |                          |
| UNIT 2A                                       | 1               | 11,860                          | 11,860            | See unit calc            |
| UNIT 2B / C                                   | 2               | 11,860                          | 23,720            | See unit calc            |
| <b>TOTAL OTHER LOAD</b>                       |                 |                                 |                   |                          |
| UNIT 2A                                       | 1               | 50,662                          | 50,662            | See unit calc            |
| UNIT 2B / C                                   | 2               | 53,044                          | 106,088           | See unit calc            |
| <b>ELECTRIC COOKING</b>                       |                 |                                 |                   |                          |
| UNIT 2A                                       | 1               | 8,000                           | 8,000             | See unit calc            |
| UNIT 2B / C                                   | 2               | 8,000                           | 16,000            | See unit calc            |
| <b>TOTAL</b>                                  |                 | <b>143,426</b>                  | <b>216,330</b>    |                          |
| <b>DEMAND FACTOR</b>                          |                 |                                 |                   |                          |
| NOTES   |                 |                                 |                   |                          |
| 45% OF TOTAL LOAD                             |                 |                                 | 97,349            | Per NEC 220.84 (3 units) |
| <b>TOTAL RESIDENTIAL LOAD</b>                 |                 |                                 |                   |                          |
|   |                 |                                 | <b>97,349 VA</b>  |                          |
| <b>HOUSE LOAD</b>                             |                 |                                 |                   |                          |
| HEAT TAPE                                     | 9               | 3,000                           | 27,000            |                          |
| SITE LIGHTING                                 | 1               | 2,500                           | 2,500             |                          |
| SITE POWER                                    | 1               | 4,000                           | 4,000             |                          |
| IRRIGATION CONTROL                            | 1               | 1,000                           | 1,000             |                          |
| STORAGE                                       | 1               | 2,380                           | 2,380             | Estimated 5W/SF          |
| <b>TOTAL WAREHOUSE LOAD</b>                   |                 |                                 | <b>36,880 VA</b>  |                          |
| <b>TOTAL BUILDING LOAD</b>                    |                 |                                 |                   |                          |
|   |                 |                                 | <b>134,229 VA</b> |                          |
| 599 AMPS @ 240V, 1-PH                         |                 |                                 |                   |                          |

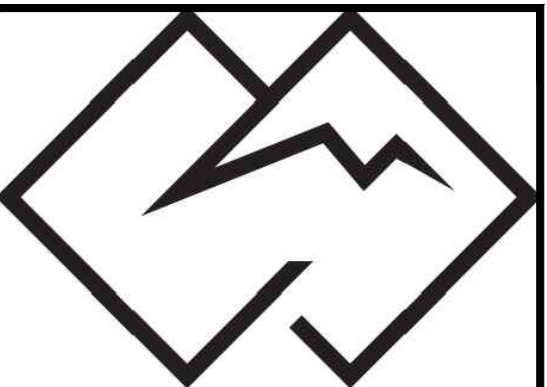
1 LOAD CALCULATIONS - BLDG 2  
NTS

AHJ STAMP

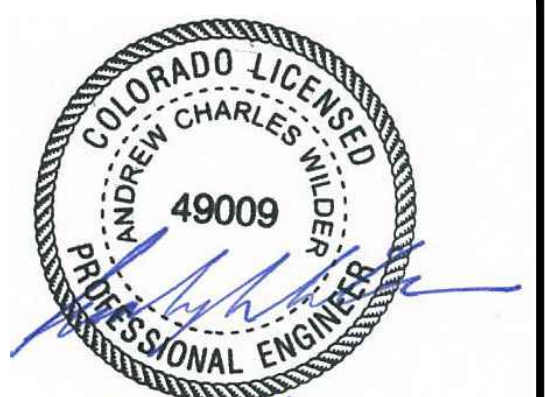
REVIEWED FOR CODE COMPLIANCE  
02/11/2026

WALTON CREEK TOWNHOMES  
2075 Walton Creek Rd  
Steamboat Springs, CO

KASA ARCHITECTURE  
3318 N Columbus St  
Arlington, VA 22207



WILDER ENGINEERING LLC  
Andrew Wilder PE  
1170 Blue Sage Drive  
Steamboat Springs, CO 80487  
P: 970-819-7848  
E: andy@wilder-eng.com



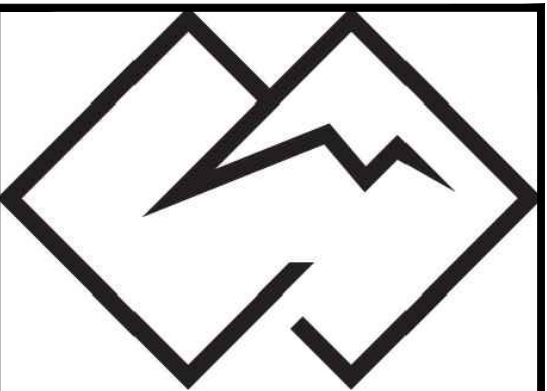
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|-------|------------|--------------------------|----|
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| -     | PERMIT SET | 5.30.25                  | AW |

Scale: NTS  
24x36  
Description: LOAD CALCS - BLDG 2  
Project Name: WALTON CREEK TOWNHOMES  
Project Number: 2025010  
Sheet No.  
**E0103**

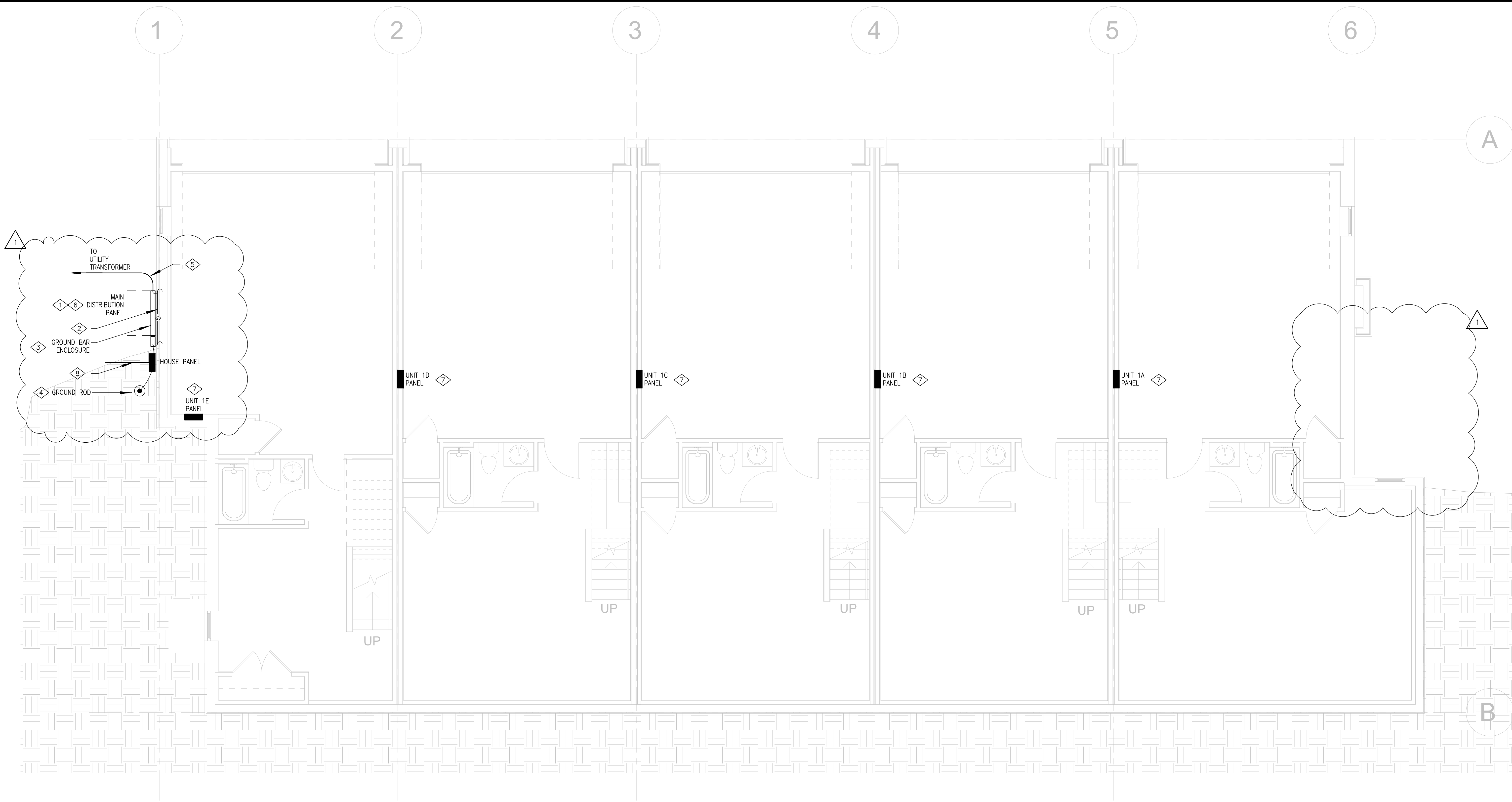
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FOR  
CODE  
COMPLIANCE**  
02/11/2026

**WALTON CREEK  
TOWNHOMES**  
2075 Walton Creek Rd  
Steamboat Springs, CO

**KASA  
ARCHITECTURE**  
3318 N Columbus St  
Arlington, VA 22207



**WILDER ENGINEERING LLC**  
Andrew Wilder PE  
1170 Blue Sage Drive  
Steamboat Springs, CO 80487  
P: 970-819-7848  
E: andy@wilder-eng.com



**1** SITE PLAN - BLDG 1  
1/4" = 1'-0"

**GENERAL NOTES**

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
2. CONFIRM LOCATIONS OF ALL DEVICES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
3. VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS IN THE FIELD.
4. ALL WIRE SHALL BE #12 AWG MIN., 90 DEG. °C, 1/2" - 2#12 AWG & #12 GND, UNLESS OTHERWISE NOTED.
5. ALL WIRING TO BE COPPER CONDUCTORS.
6. FIRE ALARM CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW DEVICES AS REQUIRED.

**SHEET NOTES**

1. UTILITY TRANSFORMER AND UNDERGROUND FEED TO BUILDING IS SHOWN FOR SCHEMATIC PURPOSES ONLY. COORDINATE WITH YVEA ON FINAL UTILITY TRANSFORMER LOCATIONS. EXACT LOCATION OF MAIN DISTRIBUTION GEAR IS TO BE LOCATED ON THE CORNER OF THE BUILDING THAT IS CLOSEST TO FINAL UTILITY TRANSFORMER LOCATION. SEE RISER DIAGRAM FOR CONDUIT REQUIREMENTS.
2. PROVIDE AT LEAST 20 FEET OF BARE COPPER EMBEDDED IN CONCRETE. ELECTRODE TO BE COVERED WITH A MINIMUM OF 2" OF CONCRETE. CONNECT ONE END TO MAIN GROUND BUS BAR. SEE DETAIL 3 ON SHEET E1.1 FOR MORE DETAIL.
3. GROUND BAR. REFER TO DETAILS 1, 2 & 3 ON SHEET E0100 FOR MORE DETAIL. ELECTRICAL CONTRACTOR TO PERFORM A RESISTANCE TESTING OF THE GROUND SYSTEM INDICATING A MAXIMUM OF 5 OHMS RESISTANCE TO GROUND. NOTIFY DESIGN TEAM IF TEST RESULTS ARE HIGHER OR ADD ADDITIONAL GROUND RODS AS REQUIRED TO MEET THIS REQUIREMENT.
4. PROVIDE A 3/4" DIAMETER X 10' LONG COPPER CLAD STEEL GROUND ROD.
5. SEE SINGLE LINE DIAGRAM ON SHEET E0101 FOR SERVICE ENTRANCE CONDUCTOR INFORMATION.

6. COORDINATE WITH CIVIL DRAWINGS AND ARCHITECTURAL DRAWINGS TO VERIFY NEC REQUIRED WORKING CLEARANCES ARE MET, INCLUDING A FLAT WORKING SURFACE IN FRONT OF ALL EQUIPMENT.
7. VERIFY WITH OWNER AND FIELD CONDITIONS FOR PANEL LOCATIONS FOR ALL UNITS.
8. PROVIDE 1°C FOR SITE LIGHTING POWER. SEE CIVIL DRAWINGS FOR ROUTING OF CONDUIT. PROVIDE CONDUIT 24" BELOW FINISH GRADE AS REQUIRED BY CODE.

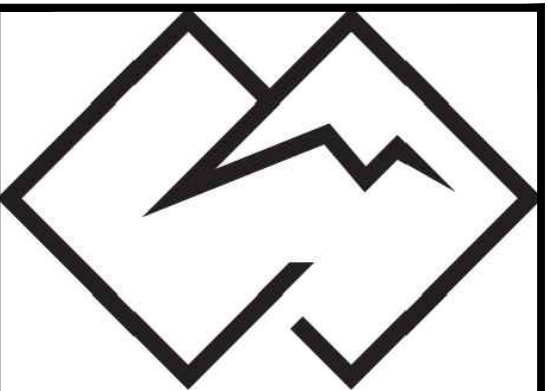
| Issue | By         | Date & Issue Description | By |
|-------|------------|--------------------------|----|
| -     | PERMIT SET | 4.17.25                  | AW |
| -     | PERMIT SET | 5.30.25                  | AW |
| △     | RFI-13     | 7.29.25                  | AW |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |

|                 |                        |
|-----------------|------------------------|
| Scale:          | 1/4" = 1'-0"<br>24x36  |
| Description:    | SITE PLAN - BLDG 1     |
| Project Name:   | WALTON CREEK TOWNHOMES |
| Project Number: | 2025010                |
| Sheet No.       | <b>E0200</b>           |

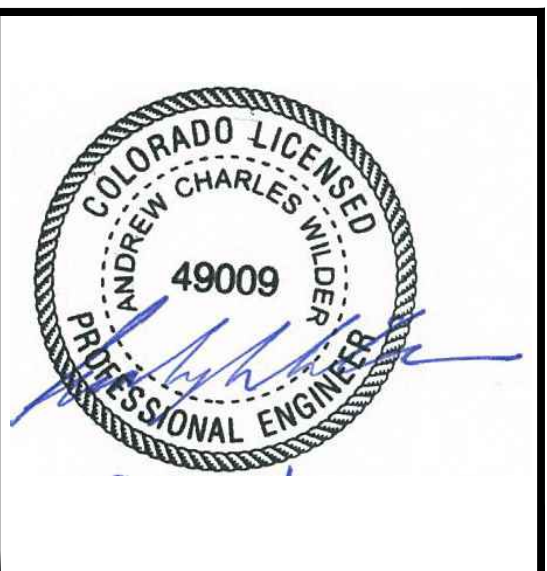
**REVIEWED  
FOR  
CODE  
COMPLIANCE**  
02/11/2026

**WALTON CREEK  
TOWNHOMES**  
2075 Walton Creek Rd  
Steamboat Springs, CO

**KASA  
ARCHITECTURE**  
3318 N Columbus St  
Arlington, VA 22207

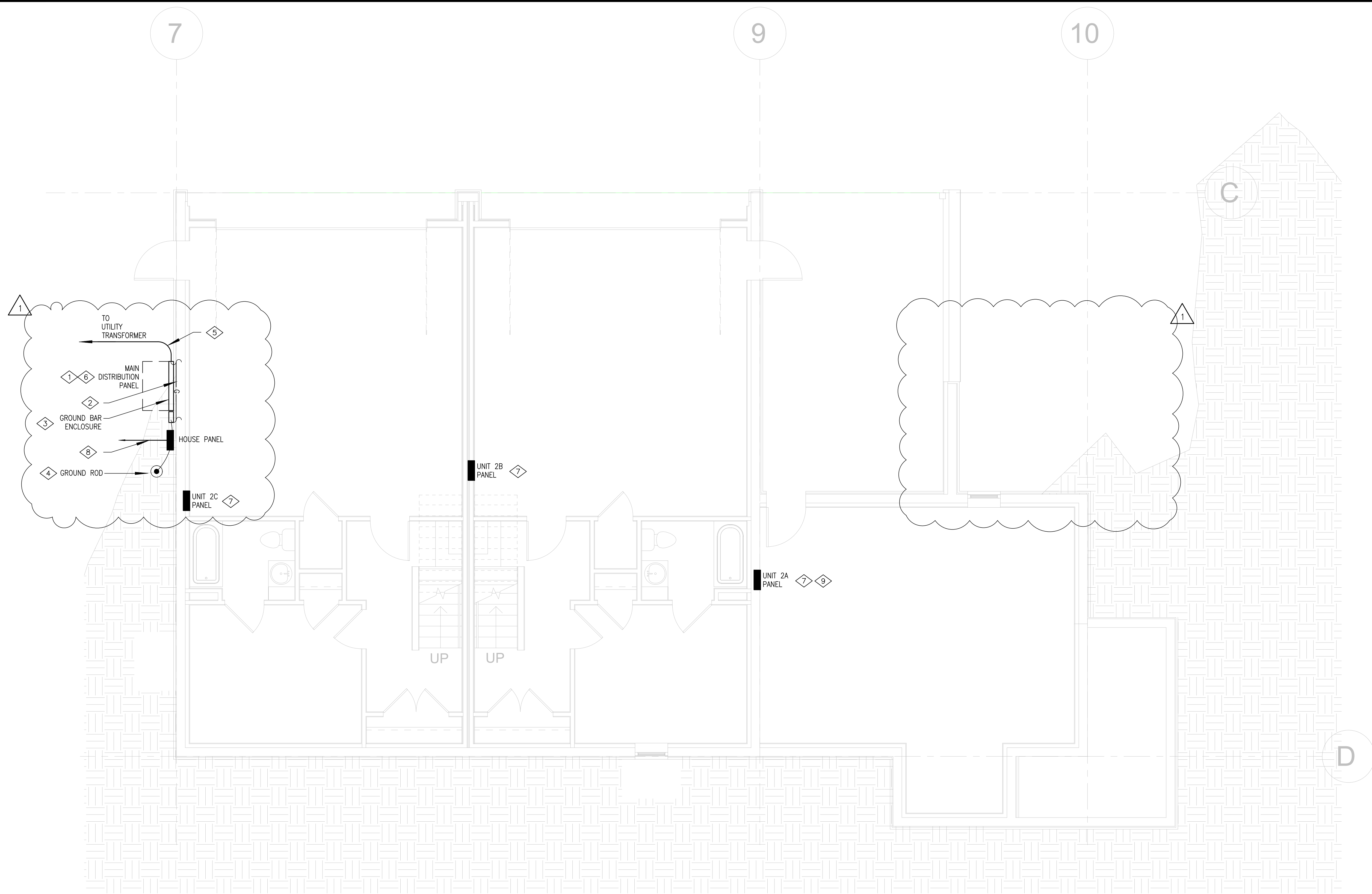


**WILDER ENGINEERING LLC**  
Andrew Wilder PE  
1170 Blue Sage Drive  
Steamboat Springs, CO 80487  
P: 970-819-7848  
E: andy@wilder-eng.com



| Issue | By         | Date & Issue Description | By |
|-------|------------|--------------------------|----|
| -     | PERMIT SET | 4.17.25                  | AW |
| -     | PERMIT SET | 5.30.25                  | AW |
| △     | RFI-13     | 7.29.25                  | AW |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |
|       |            |                          |    |

|                 |                        |
|-----------------|------------------------|
| Scale:          | 1/4" = 1'-0"           |
|                 | 24x36                  |
| Description:    | SITE PLAN - BLDG 2     |
| Project Name:   | WALTON CREEK TOWNHOMES |
| Project Number: | 2025010                |
| Sheet No.       | <b>E0201</b>           |



**1** SITE PLAN - BLDG 2  
1/4" = 1'-0"

**GENERAL NOTES**

- ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.
- CONFIRM LOCATIONS OF ALL DEVICES WITH THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- VERIFY LOCATIONS OF ALL ELECTRICAL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS IN THE FIELD.
- ALL WIRE SHALL BE #12 AWG MIN., 90 DEG. °C, 1/2" C - 2#12 AWG & #12 GND, UNLESS OTHERWISE NOTED.
- ALL WIRING TO BE COPPER CONDUCTORS.
- FIRE ALARM CONTRACTOR SHALL VERIFY AND COORDINATE ALL NEW DEVICES AS REQUIRED.

**SHEET NOTES**

- UTILITY TRANSFORMER AND UNDERGROUND FEED TO BUILDING IS SHOWN FOR SCHEMATIC PURPOSES ONLY. COORDINATE WITH YVEA ON FINAL UTILITY TRANSFORMER LOCATIONS. EXACT LOCATION OF MAIN DISTRIBUTION GEAR IS TO BE LOCATED ON THE CORNER OF THE BUILDING THAT IS CLOSEST TO FINAL UTILITY TRANSFORMER LOCATION. SEE RISER DIAGRAM FOR CONDUIT REQUIREMENTS.
- PROVIDE AT LEAST 20 FEET OF BARE COPPER EMBEDDED IN CONCRETE. ELECTRODE TO BE COVERED WITH A MINIMUM OF 2" OF CONCRETE. CONNECT ONE END TO MAIN GROUND BUS BAR. SEE DETAIL 3 ON SHEET E1.1 FOR MORE DETAIL.
- GROUND BAR. REFER TO DETAILS 1, 2 & 3 ON SHEET E010 FOR MORE DETAIL. ELECTRICAL CONTRACTOR TO PERFORM A RESISTANCE TESTING OF THE GROUND SYSTEM INDICATING A MAXIMUM OF 5 OHMS RESISTANCE TO GROUND. NOTIFY DESIGN TEAM IF TEST RESULTS ARE HIGHER OR ADD ADDITIONAL GROUND RODS AS REQUIRED TO MEET THIS REQUIREMENT.
- PROVIDE A 3/4" DIAMETER X 10' LONG COPPER CLAD STEEL GROUND ROD.
- SEE SINGLE LINE DIAGRAM ON SHEET E0101 FOR SERVICE ENTRANCE CONDUCTOR INFORMATION.

- COORDINATE WITH CIVIL DRAWINGS AND ARCHITECTURAL DRAWINGS TO VERIFY NEC REQUIRED WORKING CLEARANCES ARE MET, INCLUDING A FLAT WORKING SURFACE IN FRONT OF ALL EQUIPMENT.
- VERIFY WITH OWNER AND FIELD CONDITIONS FOR PANEL LOCATIONS FOR ALL UNITS.
- PROVIDE 1" C FOR SITE LIGHTING POWER. SEE CIVIL DRAWINGS FOR ROUTING OF CONDUIT. PROVIDE CONDUIT 24" BELOW FINISH GRADE AS REQUIRED BY CODE.
- PANEL TO BE LOCATED ON MAIN LEVEL OF UNIT.

