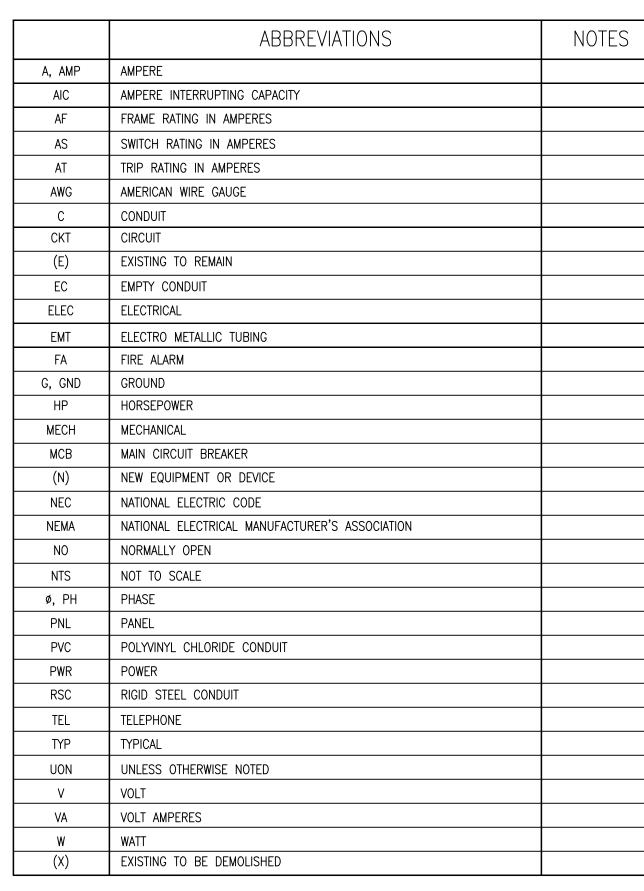


EXTERIOR EQUIPMENT MOUNTING DETAIL



 \sim 2x(3"C - 3#350 MCM & #1 GND)

PNL-

600A MLO

| SYMBOLS | WIRING DEVICE SYMBOLS | |
|--------------|--|---|
| • | 20A, 125V, DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE | |
| H | SURFACE 20A, 125V, DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE | |
| • | 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET +18" UNLESS NOTED OTHERWISE | |
| ⊭ | SURFACE 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET +18" UNO | |
| = Φ | SPECIAL PURPOSE RECEPTACLE OUTLET, +18" UNLESS NOTED OTHERWISE, NEMA CONFIGURATION AS NOTED ON PLANS | |
| ⊨Ф | SURFACE SPECIAL PURPOSE RECEPTACLE OUTLET, +18" UNLESS NOTED OTHERWISE, NEMA CONFIGURATION AS NOTED ON PLANS | |
| • | 20A, 125V, DEDICATED DUPLEX RECEPTACLE OUTLET +18" UON | |
| € GFI | DUPLEX OUTLET WITH GROUND FAULT INTERRUPTER | |
| Ф | CEILING MOUNTED 20A, 125V, DUPLEX RECEPTACLE OUTLET | - |
| • | CEILING MOUNTED 20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET | |
| | FLOOR MOUNTED DUPLEX CONVENIENCE/TELECOM OUTLET WITH BLANK STAINLESS STEEL COVER. COORDINATE TYPE AND FINISH WITH ARCHITECT. | |
| \$ | SPST WALL SWITCH, LETTERS INDICATE THE NUMBER OF SWITCHES AND OUTLETS THEY CONTROL | |
| \$ D | DIMMER SWITCH | |
| | | |

SOS OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED

4

NEW CAR CHARGING STATIONS

└─ 2"C - 4#1 AWG & 2#8 GND

└──1-1/4"C - 2#1 AWG & #8 GND

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.

E-0.1 SYMBOL LIST AND SINGLE LINE DIAGRAM

E-1.0 EXISTING PHOTOMETRIC PLAN

E-1.1 NEW PHOTOMETRIC PLAN

PANEL A

MOUNTING SURFACE

PANEL SCHEDULES

E-2.0 ELECTRICAL POWER PLAN

E-3.0 SPECIFICATIONS

SHEET LIST

1169 Hilltop Parkway, Suite 204 PO Box 770152 Steamboat Springs, CO 80477

ENGINEERING

SKI TIME

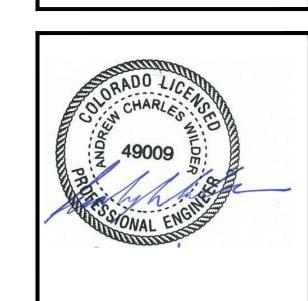
PUBLIC

BASELINE

SQUARE DRIVE

TURNAROUND

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 | Ву |
|-----------|-----------------------------|----|
| _ | PROGRESS SET - 1.6.23 | AW |
| _ | 100% DESIGN - 1.16.23 | AW |
| _ | BID DOCUMENTS - 2.8.23 | AW |
| Λ | REVISION #1 - 2.9.24 | AW |
| 2 | EV REVISION - 7.11.24 | AW |
| | | |
| | | |
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| | | |
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| | | |
| | | |
| | | |

| REVIEWED |
|------------|
| FOR |
| CODE |
| COMPLIANCE |
| 07/30/2024 |

| 240⁄ | 120 | VOLTS | 1 | PHASE | 3 | WIF | | | | M | AIN | | ML | _0_ | | | | BUS | 600 A |
|------------|--------|---------|-------|----------|--------|-------------|--------|--------|----|--------|--------|------|--------|--------|-------|--------------|--------|-------|-------|
| VOLT AMPS | | | | R E | L T | P O L | B K | C I | | C I | B K | O | L T | R E | | VC | DLT AM | PS | |
| Ø A Ø B | ØВ | Ø C | DESC | RIPTION | C | G | E | R | R | | R | R | L E | G | C | DESCRIPTION | Ø A | ØВ | ØС |
| | | | SF | PACE | | | | | 1 | A | 2 | 100 | 2 | | | EV CAR CHRGR | 9600 | | |
| | | | SF | PACE | | | | | 3 | В | 4 | - | - | | | - | | 9600 | |
| 9600 | | | EV CA | R CHRGR | | | 2 | 100 | 5 | A | 6 | 100 | 2 | | | EV CAR CHRGR | 9600 | | |
| | 9600 | | | - | | | - | - | 7 | В | 8 | - | - | | | - | | 9600 | |
| 9600 | | | EV CA | R CHRGR | | | 2 | 100 | 9 | A | 10 | 100 | 2 | | | EV CAR CHRGR | 9600 | | |
| | 9600 | | | - | | | - | - | 11 | В | 12 | - | - | | | = | | 9600 | |
| | | | SF | PACE | | | | | 13 | Α | 14 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 15 | В | 16 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 17 | A | 18 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 19 | В | 20 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 21 | A | 22 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 23 | В | 24 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 25 | A | 26 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 27 | В | 28 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 29 | A | 30 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 31 | В | 32 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 33 | A | 34 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 35 | В | 36 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 37 | A | 38 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 39 | В | 40 | | | | | SPACE | | | |
| | | | SF | PACE | | | | | 41 | A | 42 | | | | | SPACE | | | |
| 19200 | 19200 | | | VA/LINE | | | | | | | | | 28800 | 28800 | | | | | |
| Ø A= 48000 | | | | | | | ı | Ø B= | 48 | 000 | | | | | | | Ø C= | | |
| COI | NTINUC | OUS LOA | DS | | | | | | | N | ION- | CON | TIN | UOU | JS LO | DADS | | | |
| | | | | U | P TC | 101 | κVA | | | x1 | 1.00= | | | - | | | | | |
| | x1.25= | | | RECEPTA | CLES | 3 | | | | | | | | | | OTHER | 96000 | x1.00 | 9600 |
| | | | | F | REM | AINI | DER | | | x(|).50= | | | | | | | | |
| | | | TOTAL | DESIGN k | VA= | 9 | 6 | | | TO | ГАЬ | DESI | IGN | AM | PS= | 400 | | | |

| DIAGRAM | NOTE: |
|---------|-------|
| | |

CT CABINET

1. ALL WORK SHOWN IS NEW UNLESS OTHERWISE NOTED.

KWH

3/4"C - #3/0 AWG GROUNDING 3 ELECTRODE CONDUCTOR

2. ALL WIRING SHOWN IS SIZED FOR COPPER CONDUCTORS, UON

SERVICE DISCONNECT

240/120V, 600-AMP,

1PH, 3W, 50K AIC 600A

> N P G

3. SEE DETAIL #3 FOR EQUIPMENT MOUNTING DETAIL.

| $\langle 3 \rangle$ | BOND NEUTRAL TO GROUND BUS AND THEN TO (2) GROUND RODS, AT | |
|---------------------|--|--|
| ~ | LEAST 6' APART, AND INCOMING COLD WATER PIPE. PROVIDE GROUND | |
| | RODS AT 3/4" X 8' (COPPER CLAD STEEL). | |

AND RUN UNDER THE STREET TO A CHRISTY BOX LOCATED

PROVIDE EMPTY CONDUIT AS NOTED STUBBED INTO TRANSFORMER VAULT

ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONNECTION TO YVEA PAD MOUNTED TRANSFORMER. COORDINATE CONNECTION SCHEDULE WITH

ON NORTH SIDE OF STREET FOR POTENTIAL FUTURE TRANSFORMER.

4> VERIFY CONNECTION REQUIREMENTS WITH MANUFACTURER.

UTILITY COMPANY DURING CONSTRUCTION.

____ 3"EC <1>

- SCHEDULE 80 PVC FOR VERTICAL CONDUIT,

MINIMUM OF 30".

<u>RISER NOTES</u>

SCHEDULE 40 PVC FOR BEND AND HORIZONTAL

CONDUIT. CONDUIT TO BE IN TRENCH AT A

PAD MOUNTED UTILITY TRANSFORMER

 \sim 2x(3"C - 3#350 MCM)

01/30/2024

50,000 A.I.C. SYM

Description: SYMBOLS, ONE LINE Project Name: SKI TIME SQ TURNAROUND Project Number: 2022009 Sheet No.

Scale: NTS

24x36_

E-0.1