

Central Pacific Engineering, Inc.

Professional Electrical Engineering and Design

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08-10-15 CPE #15-024-0

Alimur Mobile Home Park - HOA 4300 Soquel Dr, Soquel, CA 95073 Ph: 831-475-0252

Attn: David Loop, APHOA Purchase Attorney Ph: 831-688-1293 Email: deloop1@sbcglobal.net

Subject: Site Electrical Evaluation

Dear HOA Board of Directors,

Alimur Mobile Home Park is in the process of converting to a resident owned park. The park was originally constructed as a 1957+/- vintage recreational vehicle (RV) park with a 208/120V, three phase main electrical service. At some point in time the park was expanded adding additional spaces fed from the same main electrical service.

We understand the park has applied to PG&E for gas & electric infrastructure upgrade program.

The following is our report, relative to the above subject project, for our site visit referred to our office by yourself.

<u>Purpose</u>: This purpose of this report is to evaluate, document the existing park electrical distribution system and prepare a report of our findings. Our site evaluation work included walking the park and opening up main electrical panels to observe and develop an overview understanding of the electrical system condition. Site assessment studies are a overview review of the existing electrical system. A detailed, more in depth review is beyond the scope of services and often difficult since portions of the electrical system are not directly observable without dismantling and/or destructing portions of the electrical system.

Site Investigation:

Date: primary dates July 28 & 29, 2015, follow up date August 3, 2015 Place: Alimur Mobile Home Park, 4300 Soquel Dr., Soquel, CA Persons present: David Smith & Staff – Central Pacific Engineering, Inc.

Site Observations – Power Distribution:

Main Service: 208/120V, 800amp, three phase main electrical service master PG&E utility meter serving the majority of the park. Several additional PG&E meters exist to serve the House and Garage structures, space 101A, space 200, and space 23A with empty meter socket but connected to PG&E. The main service that serves the park has nineteen (19) fused disconnects for seventeen distribution feeders serving spaces 1-104 in groups of two to nine spaces and two additional feeders to serve the office/clubhouse and laundry room/recreation building. A 400amp fused disconnect is tapped off of the main bus to serve the park expansion spaces #201-237.

The park's electrical system was designed in 1957 to support 120/208V or 120-240V, 3,600watt per lot load, with 50amp max service to homes. This was in accordance with the first regulations effective July 14th, 1956 and prior to August 17th, 1969 when the regulations changed requiring 16,000watts per lot.

The seventeen distribution feeders for spaces 1-104 feed panels & meters located in meter cabinet structures throughout the park. The original construction consisted of a branch circuit panel feeding individual meter sockets, one for each space. Over the years it appeared in some of the meter cabinets this scheme had been modified by the addition of individual circuit breakers, some tapping the main feeder & others not, and in some cases abandoning the meter and using a meter pedestal to serve the space.

This assembly method of meter cabinet structures with a separate panel and meter sockets is an older practice which is being replaced with an individual self contained weatherproof rated meter main panels when the cabinets become dilapidated or the park is modernizing.

For the age of the park the meter cabinet equipment is usable for the short term but should be incorporated into the reserve study to be replaced should the PG&E infrastructure upgrade program work not materialize.

Panels in the office /clubhouse, laundry room / recreation building should be incorporated into the reserve study to be replaced since they would not be abolished as part of the PG&E infrastructure upgrade program work.

We observed the supplemental ground at each meter cabinet was bonded with a metal armor jacketed solid copper ground conductor without the appropriate connector to clamp the armor jacket to the grounding rod or panel. **We recommend this be corrected**.

Various wiring methods are used feed spaces 1-104 from these meter cabinets. Spaces with individual meter pedestals were documented on the attached electrical drawings.

We observed no electrical service for space 23 and space 23A tapped on the PG&E feeder lugs in the PG&E CT meter section. We recommend this tap be removed and both spaces be rewired to panel 4 serving spaces 17 & 18.

Spaces 201-237 are fed from a 208V to 240V transformer and panels denoted as Panel A, Panel B, & Panel C. These panels have two or three feeder breakers that typically serve 6 spaces. Each space has an individual meter pedestal for the home connection.

We prepared a site plan, one-line drawing, and panel schedules with meter cabinet elevations documenting our observations.

Site Observations - Site Lighting:

The mobile home park act Title 25, section 1108 requires an average 0.2 footcandles of light the full length of all roadways, walkways, during the hours of darkness. An average 5 foot-candles is required for toilet, shower, laundry, and recreation building entrances when the buildings are in use during the hours of darkness. The code references an "Average" therefore some areas may be dark while other areas are heavily lighted and only applies to the specific area (ie: paved roadway, designated walkways and entrance areas) and not the surrounding areas (ie: adjacent landscape areas).

A night time site visit or photometric lighting study was not part of this study therefore compliance was not be verified.

The lights we observed while walking the park we documented on the site drawing we prepared. The layout appeared to be supplemented with additional lighting from the original construction and typical for parks of this vintage. Various times clocks were observed throughout the park to control the exterior site lighting. Most fixtures observed had screw in fluorescent lamps which provide respectable energy savings. LED replacement should be considered for long term maintenance planning.

Recommend incorporating long term LED lighting replacement into the reserve study.

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Conclusion:

Minor corrections noted above in "bold" text should be addressed as noted.

We thank you for the opportunity to perform this investigation-evaluation for you and the Association. Should you or any of your associates have any additional questions or requirements, please feel free to contact this office. Again thank you.

Cordially, Central Pacific Engineering, Inc.

David G. Smith, P.E. Electrical Engineer CA-E13492, exp. 09-30-16

DGS/dgs

Enclosures: Electrical Drawings E1.00, E4.00, E4.10, E4.20, E4.30





NO SCALE

| | | FEEDER DIRECTORY | | | |
|-------------------------|-------|---|-----|-----------|-------------------|
| | FDR # | LOAD DESCRIPTION | QTY | UNIT LOAD | QTY STREET LIGHTS |
| | 1 | SP – 1, 2, 3, 4 | 4 | | - |
| | 2 | SP – 5, 6, 7, 8, 9, 10, 11, 12 | 8 | | 5 |
| | 3 | SP – 13, 14, 15, 16, 19, 20, 21, 22 | 8 | | 4 |
| | 4 | SP - 17, 18 | 2 | | - |
| | 5 | OFFICE/CLUBHOUSE | - | | 10 |
| | 6 | SP – 24, 25, 26, 27, 32, 33, 34, 35, 36 | 9 | | 4 |
| | 7 | SP – 41, 42, 43, 44, 51, 52, 53, 54, 55 | 9 | | 5 |
| | 8 | SP – 62, 63, 64, 65, 66, 67 | 6 | | - |
| 1 | 9 | SP – 28, 29, 30, 31, 37, 38, 39, 40 | 8 | | 3 |
| | 10 | SP – 45, 46, 47, 48, 56, 57, 58, 59, 60 | 9 | | 2 |
| FDR TO SPACE 23A | 11 | LAUNDRY ROOM, REC ROOM | - | | - |
| 1 1/2"C W/3-#2 + #4 GND | 12 | SP - 49, 50, 60, 61 | 4 | | 3 |
| | 13 | SP - 69, 70, 71, 72, 73 | 5 | | - |
| | 14 | SP – 76, 77, 78, 79, 84, 85, 86, 87, 88 | 9 | | 3 |
| | 15 | SP - 74, 75 | 2 | | 5 |
| | 16 | SP – 94, 95, 96, 97, 98, 99, 100 | 7 | | - |
| | 17 | SP – 101, 102, 103, 104 | 4 | | 6 |
| | 18 | SP – 67B, 68, 68A, 69B | 4 | | - |
| | 19 | SP – 80, 81, 82, 83, 89, 90, 91, 92, 93 | 9 | | - |
| | 20 | SPACE | - | | - |





| PANEL NAME: 1 LOCATION: 1 | PANEL TYPE: 🔲 PANEL BOARD 🛛 🖾 LOAD CENTER | PANEL NAME: 2 LOCATION: 2 | PANEL TYPE: 🔲 PANEL BOARD 🛛 🖾 LOAD CENTER |
|--|---|--|--|
| VOLTAGE: 208/120 BUS RATING: 100 _ 3 PHASE _ 4 WIRE + GND. | ENCLOSURE TYPE: <u>NEMA 1</u> MOUNTING: 🛛 SURFACE 🗌 FLUSH | VOLTAGE: 208/120 BUS RATING: 100 _ 3 PHASE _ 4 WIRE + GND. | ENCLOSURE TYPE: <u>NEMA 1</u> MOUNTING: 🛛 SURFACE 🗌 FLUSH |
| SHORT CIR RATING: 10 KAIC BUS TYPE: 🛛 COPPER 🗌 ALUMINUM | INTERIOR: 🛛 MAIN LUGS 🛛 MAIN CIRCUIT BREAKER – SEE ONE LINE | SHORT CIR RATING: 10 KAIC BUS TYPE: COPPER CALUMINUM | INTERIOR: 🛛 MAIN LUGS 🛛 MAIN CIRCUIT BREAKER – SEE ONE LINE |
| O.C. DEVICES: BOLT-ON PLUG-ON DEVICE FAMILY: | SUB-FEED CIRCUIT BREAKER - SEE ONE LINE | O.C. DEVICES: BOLT-ON PLUG-ON DEVICE FAMILY: | SUB-FEED CIRCUIT BREAKER - SEE ONE LINE |
| DESCRIPTION | CONN. CKT C NO. BRK. VOLT · AMPS φA φB φC Δ DESCRIPTION | DESCRIPTION | NN. CKT BRK. VOLT • AMPS Δ Δ C NO. BRK. ΦA ΦB ΦC Δ |
| | 2 40 3600 X X SPACE 1 | SPACE 12 X X 3600 40 1 | 2 40 3600 X X SPACE 8 |
| 3 | 4 40 1800 X X SPACE 4 | SPACE 11 X X 3600 40 3 | 4 40 1800 X X SPACE 7 |
| | 6 – 1800 X X | SPACE 5 X X 3600 30 5 | 6 – 1800 X X SPACE 7 |
| | 8 8 | SPACE 9 X X 1800 30 7 | 8 40 1800 X X SPACE 6 |
| | 10 | SPACE 9 X X 1800 - 9 | 10 – 1800 X X SPACE 6 |
| | 12 | SPARE 40 11 | 12 20 500 X TIME CLOCK/ SITE LTS |
| | | 13 | 14 |
| 15 | 16 | | |
| | 18 | | + 18 |
| 19 | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | | |
| TOTALS 0 0 0 | 3600 1800 1800 | TOTALS 5400 5400 3600 | 5400 3600 2300 |
| BUS A <u>3.6 K</u> VA | | BUS A <u>10.8 K</u> VA | |
| BUS B <u>1.8 K</u> VA SPACES 2 & 3 HAVE METER PEDESTALS | | BUS B <u>9.0 K</u> VA | |
| BUS C 1.8 KVA | | BUS C 5.9 KVA | |
| TOTAL 7.2 KVA | | TOTAL 25.7 KVA | |





| | | | | | | | | | | | | | | | | | | _ | | | | | | | | | | | | | | | | | | | |
|---|------------------|-----------------|--------------|----------------|------------|----------|------------|-------|-----------|----------|--------------|--------------|------------------|------|-------------|--------------------------|----|-----|--|--------|------|--------|-------------|----------|-------------|------------|--------------|------------|-------|-------|------------|----------------|--------------|-------------|-------|--------------------------|------|
| PANEL NAME: 4 | LOCAT | 10N: 4 | | | | | | PANE | L TY | PE: [| | NEL BO | OARD | | \boxtimes | LOAD CENTER | | P/ | ANEL NAME: 5 | _ L | OCAT | ION: 5 | j | | | | | | PANE | TYPE | : <u> </u> | PANEL | BOARD | | X | LOAD CENTER | |
| VOLTAGE: 208/120 BUS RA | TING: <u>100</u> | 3 | _ PHASE | :_ 4 _w | /IRE + | GND. | | ENCL | OSUR | RE TY | PE: <u>N</u> | EMA 1 | | | мои | NTING: 🛛 SURFACE 🛛 FLUS | | V | OLTAGE: <u>208/120</u> BUS RATIN | NG: 10 | 00 | | <u>3</u> PH | ASE | <u>4</u> WI | RE + | GND. | | ENCLO | SURE | TYPE: | NEMA | 1 | | _моц | JNTING: 🔟 SURFACE 🔲 FLUS | SH |
| SHORT CIR RATING: 10 KAIC | BUS_T | YPE: 🛛 | COPPER | | ALUMI | NUM | _ | INTEF | RIOR: | 🛛 м/ | IN LU | JGS | | MAIN | CIRC | CUIT BREAKER – SEE ONE L | NE | S | SHORT CIR RATING: 10 KAIC | В | US T | YPE: | | PER | | ALUMI | NUM | _ | INTER | 0R: 🔟 | MAIN | LUGS | | MAIN | I CIR | CUIT BREAKER - SEE ONE | LINE |
| O.C. DEVICES: BOLT-ON | PLUG-ON | | ICE FAM | IILY: | | | | | | <u> </u> | B-FE | ED CI | RCUIT | BREA | KER | – SEE ONE LINE | | 0. | D.C. DEVICES: BOLT-ON | PLUG- | -ON | DE | VICE | FAMIL | /: | | | | | | SUB- | -FEED | CIRCUIT | BRE/ | AKER | – SEE ONE LINE | _ |
| DESCRIPTION | LTG PWR | VOLT · DA DE | AMPS B ØC | BRK. | CKT NO. | BUS A | CON B C | N. CK | Т 5. Е | BRK. | ۷0 ¢۸ | LT • A ØB | <u>MPS</u> фс | PWR | LTG | DESCRIPTION | | | DESCRIPTION | LTG | A R | | • амғ фв | νs ΦC | BRK. | CKT NO. | BUS A | CON B C | N. CK | | < | VOLT • A DE | AMPS β φc | PWR | LTG | DESCRIPTION | |
| | | | | | 1 | -+- | + + | 2 | : | 30 | 1800 | | | X | X SF | PACE 18 | | (E) |) LOAD | | X 12 | 00 | | | 15 | 1 | ╞╺┿ | + | 2 | 20 | 15 | 00 | | X | | E) LOAD | |
| SPACE 17 | X X | 360 | 0 | 30 | 3 | 1 | | - 4 | | - | | 1800 |) | X | X SF | PACE 18 | | (E) | :) LOAD | | x | 15 | 500 | | 20 | 3 | \mathbb{H} | ✦┤ | - 4 | 20 | | 150 | 0 | X | | E) LOAD | |
| | | | | | 5 | 1 | ┼┿ | - 6 | | | | | | | | | | CE | EILING LTS | X | | | 1 | 200 | 15 | 5 | 1 | ┼┢ | - 6 | 20 | | | 150 | o x | | E) LOAD | |
| | | | | | 7 | ╏─╈─ | + + | - 8 | | | | | | | | | | CL | LUBHOUSE FLOOD | X | 12 | 00 | | | 15 | 7 | ╏─┿─ | + | - 8 | 15 | 12 | 00 | | X | | E) LOAD | |
| TIME CLOCK/ SITE LTS | X | 500 | 0 | 20 | 9 | 1 | . ♦ - - | - 10 | 5 | | | | | | | | | TR | RANSFORMER DOOR LTS | X | | 15 | 500 | | 20 | 9 | 1 | ┥┤ | - 10 | 20 | | 150 | 0 | X | | E) LOAD | |
| | | | | | 11 | 1 | ┼┿ | - 12 | 2 | | | | | | | | | | | | | | | | | 11 | 1 | ┼┝ | - 12 | 20 | | | 150 | o x | (| E) LOAD | |
| | | | | | 13 | | | 14 | 1 | | | | | | | | | DIS | SHWASHER | | X 15 | 00 | | | 20 | 13 | ╏─┿─ | + + | - 14 | 40 | 25 | 00 | | X | X (| E) LOAD | |
| | | | | | 15 | | ♦ | 16 | <u> </u> | | | | | | | | | (E) |) LOAD | | x | 15 | 500 | | 20 | 15 | 1 | ✦╎ | - 16 | - 1 | | 25 | 00 | | X (| E) LOAD | |
| | | | | | 17 | | | 18 | 3 | | | | | | | | | (E) |) LOAD | | x | | 2 | 500 | 40 | 17 | 1 | ┼┢ | - 18 | 40 | | | 250 | <u>vo x</u> | X (| E) LOAD | |
| | | | | | 19 | ╏──┢─ | | - 20 | 5 | | | | | | | | | (E) |) LOAD | | X 15 | 00 | | | 20 | 19 | ╏─╺┢─ | | 20 | - | 25 | 00 | | | X (| E) LOAD | |
| TOTALS | 0 | 410 | 0 0 | | | | | | | | 800 | 1800 | 0 | | | | | | TOTALS | | 54 | 00 45 | 500 3 | 700 | | | | | | | 77(| 00 550 | 0 550 | 0 | | | |
| BUS A 1.8 KVA BUS B 5.9 KVA BUS C 0.0 KVA TOTAL 7.7 KVA | | · | · | | | | | | | | | | | · | | | | | BUS A 13.1 KVA BUS B 10.0 KVA BUS C 9.2 KVA TOTAL 32.3 KVA | | · | | · | | | | | | | | | · | · | | | | |
| | | | | | | | | | | | | | | | | | | | | | | C | | | - / | \sim | | ЦC | | | | | | | D | 115 | |



| PANEL NAME: 7 | LO | CATION | :_7 | | | | | | F | ANEL | TYPE: | | NEL BO | ARD | | | 🛛 LOAD CENTER |
|--|---------------|--------|-------------|--------|------------|--------------|----------|----------|----------|------------------|------------------|--------------|-----------|-------------|--------------|-----|-------------------------------|
| VOLTAGE: 208/120 BUS RATING | G: <u>100</u> |) | <u>3</u> PH | ASE _ | <u>4</u> W | IRE + | GND. | | E | NCLOS | URE TI | PE: <u>N</u> | EMA 1 | | | _M | OUNTING: 🛛 SURFACE 🔲 FLUSH |
| SHORT CIR RATING: 10 KAIC | BU | S TYPE | : 🛛 COF | PER | | ALUMI | NUM | _ | 11 | ITERIO | R: 🔟 M | AIN LU | JGS | | AIN | 1 C | IRCUIT BREAKER – SEE ONE LINE |
| O.C. DEVICES: <u>□</u> BOLT-ON XF | LUG-C | DN | DEVICE | FAMIL | .Y: | | | | | | <u> </u> | UB-FE | ED CIR | CUIT E | RE | AKE | ER – SEE ONE LINE |
| DESCRIPTION | ω¢ | vo | LT • AMI | PS | | СКТ | BUS | s co | ONN. | скт | | VO | LT • AN | <i>I</i> PS | £ | 0 | DESCRIPTION |
| DESCRIPTION | ۲ A | φA | φв | фС | BKK. | NO. | A | В | С | NO. | BRK. | фА | φв | фС | Р٧ | Ľ | DESCRIPTION |
| | | | | | | 1 | ╞╾┥ | | - | 2 | 60 | 1800 | | | Х | X | SPACE 53 |
| NOT USED | | | | | 30 | 3 | | - | - | 4 | - | | 1800 | | Х | X | SPACE 53 |
| SPACE 55 | x x | | 3 | 3600 | 30 | 5 | | | + | 6 | 30 | | | 1800 | Х | X | SPACE 43 |
| SPACE 54 | XX | 3600 | | | 30 | 7 | ╞ | _ | + | 8 | - | 1800 | | | Х | X | SPACE 43 |
| | | | | | | 9 | | | + | 10 | 30 | | 3600 | | Х | X | SPACE 44 |
| SPACE 52 | XX | | | 3600 | 30 | 11 | | | + | 12 | 15 | | | 500 | | X | TIME CLOCK/ SITE LTS |
| | | | | | | 13 | ┟─┿ | - | + | 14 | 30 | 3600 | | | Х | X | SPACE 41 |
| | | | | | | 15 | | - | + | 16 | | | | | | | |
| SPACE 51 | XX | | 3 | 3600 | 60 | 17 | | | + | 18 | | | | | | | |
| SPACE 51 | XX | 3600 | | | - | 19 | -• | | | 20 | 30 | 3600 | | | Х | X | SPACE 42 |
| TOTALS | | 7200 | 0 1 | 0800 | | | | | | | | 10800 | 5400 | 2300 | | | |
| BUS B <u>5.4 K</u> VA <u>BUS C 13.1 KVA</u> TOTAL 36.5 KVA | CES 51 | & 53 H | IAVE MET | er pei | DESTALS | 5 | | | | | | | | | | | ~SPACE 51 HAS METER PEDESTAL |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | M | 52 |)(| M |) (CE 54 | SPA M | CE 5 | .5 | PNL 7 | 7 | M | PACE 4 | | () се | 42 | SPACE 43 |
| * | | ¥ | ¥ | | ¥ | | * | ¢- | — S M | PACE 5 ETER P | 3 HAS EDESTAL | * | | ¥ | | | * * |
| | | | | | - | ME | TE | <u>R</u> | (| CAE | BINE | <u>-</u> T | <u>#7</u> | | | | |



METER CABINET #2

<u>OFFICE/CLUBHOUSE - PNL/FDR #5</u>

| VOLTAOL. 200/120 | _ BUS RATING |
|---|----------------------------------|
| SHORT CIR RATING: | 10 KAIC |
| | |
| DESCRIPTION | |
| SPACE 16 | |
| SPACE 15 | |
| SPACE 14 | |
| SPACE 14 | |
| SPACE 13 | |
| TIME CLOCK/ SITE LTS | |
| | |
| | |
| | |
| | |
| TOTALS | |
| BUS A 12.6 | <u>k</u> va |
| | |
| BUS B 10.8 | <u>k</u> va |
| BUS B 10.8 BUS C 9.5 | <u>kva</u> <u>kva</u> |
| BUS B 10.8 BUS C 9.5 TOTAL 32.9 | <u>KVA</u> KVA KVA |
| BUS B <u>10.8</u> BUS C 9.5 TOTAL 32.9 | KVA KVA KVA |
| BUS B <u>10.8</u> BUS C 9.5 TOTAL 32.9 | <u>KVA</u> K <u>VA</u> KVA |
| BUS B <u>10.8 BUS C 9.5</u> TOTAL 32.9 | <u>KVA</u> K <u>VA</u> KVA |
| BUS B <u>10.8 BUS C 9.5</u> TOTAL 32.9 | <u>KVA</u> <u>KVA</u> (VA |
| BUS B <u>10.8 BUS C 9.5</u> TOTAL 32.9 | <u>KVA</u> <u>KVA</u> KVA |

PANEL NAME: 6

DESCRIPTION

SPACE 34

SPACE 25

SPACE 33 SPACE 24 NOT USED

SPACE 32

TOTALS

 BUS A
 10.8 KVA

 BUS B
 7.2 KVA

 BUS C
 11.3 KVA

 TOTAL
 29.3 KVA

PANEL NAME: 3

METER CABINETS

SH 3 OF 5

REV.



| | | | | | | | | | | | | _ | | | | | | | | | | | | | | | | | |
|-------------------------|----------------------|-------------------|------------|----------|--------------|----------|----------------|-------------------|------------|---------|---------------------------------------|---|----------------------------|---------------|--------------------|-------------------|-------------|------------|--------|-------------|--------|-------------------|----------------|--------------------|-------------------|------------|---|----|----------------------------|
| PANEL NAME: 8 | LO(| CATION: 8 | | | | PAN | EL TYP | : <u> </u> | NEL BOAR | D | 🛛 LOAD CENTER | | PANEL NAME: 9 | _ LO | CATION: | 9 | | | | | PANEL | TYPE: | <u> </u> | ANEL BO | DARD | | LOAD CENTER | | PANEL NAME: 10 |
| VOLTAGE: 208/120 BUS | S RATING: <u>100</u> | 3_ | PHASE | 4 WIRE + | GND. | ENCL | .OSURE | TYPE: 1 | IEMA 1 | | MOUNTING: 🛛 SURFACE 🗌 FLUSH | | VOLTAGE: 208/120 BUS RATIN | G: <u>100</u> |) | <u>3</u> PHA | SE <u>4</u> | WIRE | + GND. | | ENCLO | SURE [·] | TYPE: <u>I</u> | NEMA 1 | | М | IOUNTING: 🛛 SURFACE 🔲 FLUSH | _ | VOLTAGE: 208/120 BUS RATIN |
| SHORT CIR RATING: 10 KA | AIC BUS | S TYPE: 🔟 C | OPPER | | NUM | INTE | RIOR: <u>D</u> | MAIN L | UGS | | <u>CIRCUIT BREAKER – SEE ONE LINE</u> | | SHORT CIR RATING: 10 KAIC | BU | S TYPE: | | ER | | AINUM | - | INTERI | DR: 🔟 | MAIN I | LUGS | | MAIN C | <mark>NRCUIT BREAKER – SEE ONE LIN</mark> | ŅΕ | SHORT CIR RATING: 10 KAIC |
| O.C. DEVICES: BOLT-ON | | DEVIC | CE FAMIL | LY: | | | | SUB-F | EED CIRCU | IT BREA | KER – SEE ONE LINE | | O.C. DEVICES: BOLT-ON | PLUG-O | | DEVICE FA | AMILY: _ | | | | | | SUB-F | EED CI | RCUIT | BREAK | ER - SEE ONE LINE | | O.C. DEVICES: BOLT-ON |
| DESCRIPTION | LTG PWR | VOLT • Α ΦΑ ΦΒ | AMPS ¢C | BRK. CKT | BUS C A B | CONN. CH | (T O. BF | к. <u>v</u> | DLT · AMPS | PWR 5 | | | DESCRIPTION | LTG PWR | | т • AMPS Фв ф | BR | | T BUS | CONN B C | I. CKT | BRK | . V | OLT • A | MPS ¢C | LTG LTG | DESCRIPTION | | DESCRIPTION |
| SPACE 67 | x x | 3600 | | 20 1 | ╞╺╋╌┨ | | 2 3 |) 1800 | | × | X SPACE 62 | 1 | SPACE 38 | XX | 3600 | | 4(| D 1 | | | 2 | 40 | 360 | 0 | | XX | SPACE 40 | | |
| | | | | 3 | ╏─┼─∳ | | 1 · | - | 1800 | X | X SPACE 62 | 1 | SPACE 37 | XX | | 3600 | 4(|) <u>3</u> | | - ♦ - | 4 | 40 | | 3600 | | XX | SPACE 31 | | SPACE 58 |
| | | | | 5 | ╏──┼─┼ | - | 5 3 |) | 3 | 500 X | X SPACE 63 | 1 | SPACE 28 | XX | | 36 | 00 40 | J 5 | | ++ | 6 | 40 | | | 3600 |) x x | SPACE 39 | | |
| | | | | 7 | ╏─┢─┤ | | 3 | | | | | 1 | SPACE 29 | XX | 1800 | | 10 |) 7 | ╶┤─∳ | | 8 | 40 | 360 | 0 | | XX | SPACE 30 | | SPACE 56 |
| SPACE 64 | x x | 1800 |) | 30 9 | ╏─┼─∳ | | 0 3 |) | 3600 | X | X SPACE 66 | 1 | SPACE 29 | XX | ŀ | 1800 | - | - 9 | | | 10 | | | | | | | | |
| SPACE 64 | X X | | 1800 | - 11 | ┠┼┼ | - 🔶 🗍 | 2 | | | | | | | | | | | 11 | | ┼┿ | 12 | 15 | | | 500 | XX | TIME CLOCK/ SITE LTS | | |
| | | | | 13 | ┠╺╋╌┤ | | 4 | | | | | | | | | | | 13 | ┣ | | - 14 | | | | | | | | |
| | | | | 15 | ┠┼┿ | | 6 | | | | | | | | | | | 15 | | | 16 | | | | | | | | TIME CLOCK/ SITE LTS |
| | | | _ | 17 | ┠┼┼ | -+-[| 5 | | 18 | 300 X | X SPACE 65 | | | | | | | 17 | | ┤┿ | 18 | | | | | | | | SPACE 59 |
| | | | | 19 | ┣-♠── | | | - 1800 |) | X | X SPACE 65 | | | | | | | 19 | | | 20 | | | | | | | | |
| TOTALS | | 3600 1800 | 0 1800 | | | | | 3600 | 5400 54 | 100 | | | TOTALS | | 5400 5 | 5400 36 | 00 | | | | | | 7200 | 3600 | 4100 | | | | |
| BUS A <u>7.2 K</u> VA | | | | | | | | | | | | | BUS A <u>12.6 K</u> VA | | | | | | | | | | | | | | | | |
| BUS B <u>7.2 K</u> VA | SPACE 65 | TAPPED OFF F | EEDER | | | | | | | | | | BUS B <u>9.0 K</u> VA | | | | | | | | | | | | | | | | |
| BUS C 7.2 KVA | | | | | | | | | | | | | BUS C 7.7 KVA | | | | | | | | | | | | | | | | |
| TOTAL 21.6 KVA | | | | | | | | | | | | | TOTAL 29.3 KVA | | | | | | | | | | | | | | | | TOTALS |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | BUS A <u>10.8 K</u> VA |
| | | | | | | | | | | | | | | | | | | | | 05 70 | | | 70 | | - 71] | | | | BUS B <u>13.1 K</u> VA S |
| | | | | | | | | | | | | | | | SPAC | £ 29 | SPAC | <u> </u> | | | | SPACE (| >9 | | <u> </u> | | | | BUS C 5.4 KVA |
| | | | | | | | | | | | | | | | $ \langle \rangle$ | $\langle \rangle$ | () | M) | | м) | | ′ М | | $ \langle \rangle$ | $\langle \rangle$ | | | | IOTAL 29.3 KVA |
| | | | | | | | | | | | | | | | | УГ | | | | | | | | | УΙ | | | | |
| | | | Г | i | | | | | | | | | | | SDAC | | | | | | | \sim | | | - 10 | | | | |
| | | | | | | | - | | | | | | | | SPAC | <u> </u> | | | | | | | | SPACE | 40 | | | | |
| | | | | | | SPACE 62 | | SP | CE 64 | | SPACE 66 | | | | $ \langle \rangle$ | $\langle \rangle$ | | | | | | | | (|) | _ | | | |
| | | | | | Ĺ | ` | 1 | | | | | | | | X | \mathbf{Y} | | र्भ | | | | $\overline{}$ | | | \square | | | | |
| | | | | PNL 8 | (| | | $\langle \rangle$ | | | | | | | | | | ୍ତା | | | | | | | - | | 同 | | |

SPACE 28

М

PNL 9

J-BOX

<u>Meter cabinet #9</u>

 \bigcirc

-90

39



| | | 0 1 TI 01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------|---------------|-----------|----------------|-----------|------------|------------|---------------|-----------|------------|----------------|----------------|-----------|-------|-------------------------|----------|---------------------|--------|-----------|---------|---------------------|---------------------------|---------------|---------------|---------|------------|----------|----------------|--------------|-------|---------------------------|--------------|
| PANEL NAME: 11 | _ LO | CATION | N: <u>11</u> | | | | | P | ANEL | IYPE: <u>[</u> | J PANEI | BOAR | | X LOAD CENTER | | PANEL NAME: 12 | | LC | CATION | I: <u>12</u> | | | | PAI | NEL I | YPE: 📋 | PANEL | BOARD | | X LOAD CENTER | |
| VOLTAGE: 208/120 BUS RATIN | G: <u>100</u> |) | F | PHASE | <u>4</u> W | IRE + | GND. | E١ | ICLOSI | JRE TYP | PE: <u>NEM</u> | A 1 | | MOUNTING: 🛛 SURFACE | FLUSH | VOLTAGE: 208/120 | BUS RA | ATING: 10 | 5 | <u>3</u> PH | ASE <u>4</u> | WIRE + | GND. | ENG | CLOSU | RE TYPE | E: <u>NEMA</u> | . 1 | N | IOUNTING: 🛛 SURFACE 🗌 FLI | USH |
| SHORT CIR RATING: 10 KAIC | BU | S TYPE | E: 🛛 CC | OPPER | | ALUMIN | UM | IN | TERIOF | R: 🛛 MA | IN LUG | <u> 5</u> | | I CIRCUIT BREAKER – SEE | ONE LINE | SHORT CIR RATING: 1 | 0 KAIC | BL | IS TYPE | | PER | | | INT | ERIOR | : 🛛 MAII | N LUGS | | MAIN | IRCUIT BREAKER – SEE ONE | <u>LIN</u> E |
| O.C. DEVICES: <u>BOLT</u> ON ■ | PLUG-C | DN | DEVICE | E FAMI | LY: | | | | | 🔲 SU | B-FEED | CIRCU | T BRE | AKER – SEE ONE LINE | | | Γ—ON | PLUG- | ON | DEVICE I | FAMILY: _ | | | | | | -FEED | CIRCUIT | BREAK | ER – SEE ONE LINE | |
| DESCRIPTION | LTG PWR | νc φA | DLT ∙ AI фВ | MPS ¢C | BRK. | CKT NO. | BUS CO A B | DNN. C | CKT NO. | BRK. | VOLT | • AMPS | PWR | | | DESCRIPTION | | LTG | φA | DLT + AMF ↓ ¢B ↓ | ν <mark>s</mark> φc BR | K. CKT NO. | BUS C | CONN. (| CKT NO. | BRK. | ΦΑΦ | AMPS B ¢C | PWR | DESCRIPTION | |
| PLUG | X | 1500 | | | 20 | 1 | - | | 2 | 20 | 1500 | | X | PLUGS | | | | | | | | 1 | ┝╋┼ | | 2 | | | | | | |
| PLUG | X | | 1500 | | 20 | 3 | | +- | 4 | 20 | 1 | 500 | X | PLUGS | | | | | | | | 3 | ٦┼╺╋ | | 4 | | | | | | |
| LTS | X | | | 1000 | 20 | 5 | _ | -∳[| 6 | 20 | | 15 | 600 X | PLUGS | | | | | | | | 5 | ┓┥┥┥ | _∳_[| 6 | 30 | | 360 | o x x | SPACE 49 | |
| LTS LAUNDRY | X | 500 | | | 20 | 7 | - | + | 8 | 20 | 1500 | | X | PLUGS | | | | | | | | 7 | ╏╴┿╶┼ | + - | 8 | | | | | | |
| | | | | | 20 | 9 | | +- | 10 | 20 | | 500 | | X TIME CLOCK/ SITE LTS | | SPACE 50 | | X X | | 1800 | 4(|) 9 | ٦┼┿ | | 10 | 40 | 18 | 00 | XX | SPACE 60 | |
| PLUG | X | | | 1500 | 30 | 11 | | ╺╋─-Ĩ | 12 | 20 | | 15 | 600 X | PLUGS | | SPACE 50 | | X X | | 1 | 800 - | - 11 | \rightarrow | _∳_[| 12 | - | | 180 | o x x | SPACE 60 | |
| PLUG | X | 1500 | | | - | 13 | | +- | 14 | 30 | 1500 | | X | PLUG | | | | | | | | 13 | ┢╋╡ | | | | | | | | |
| | | | | | | 15 | | + | 16 | - | 1 | 500 | X | PLUG | | | | | | | | 15 | ٦┼♠ | | | | | | | | |
| | | | | | | 17 | | -∳[| 18 | | | | | | | | | | | | | 17 | ᢇ᠇ | _∳_[| | 50 | | 180 | o x x | SPACE 61 | |
| | | | | | | 19 | - | [| 20 | | | | | | | | | | | | | 19 | ┭┷╾ | | | - 18 | 300 | | XX | SPACE 61 | |
| TOTALS | | 3500 | 1500 | 2500 | | | | | | 4 | 500 3 | 500 30 | 00 | | | TOTALS | | | 0 | 1800 18 | 800 | | | | | 18 | 800 180 | 00 720 | 0 | | |
| BUS A <u>8.0 K</u> VA | | | | | | | | | | | | | | | | BUS A 1.8 | VA | | | | | | | | | | | | | | |
| BUS B <u>5.0 K</u> VA | | | | | | | | | | | | | | | | BUS B 3.6 | VA | SPACE 61 | TAPPED | OFF FFFD | FR | | | | | | | | | | |
| <u>BUS C 5.5 KVA</u> | | | | | | | | | | | | | | | | <u>BUS C 9.0 </u> | VA | OF AGE OF | | | | | | | | | | | | | |
| TOTAL 18.5 KVA | | | | | | | | | | | | | | | | TOTAL 14.4 | VA | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

<u>LAUNDRY ROOM/ REC BLDG – PNL/FDR #11</u>

| PANEL NAME: 13 | | LOC | | : 13 | | | | | _ | | PANEL | TYPE: | | NEL BC | ARD | | | LOAD CENTER |
|-----------------------------|------|-----------|----------|----------|---------|------|-------|----------|------|------|--------------|---------------|----------------|---------|-----|------|-----|-------------------------------|
| VOLTAGE: 208/120 BUS RATING | }:_1 | 100 | | <u> </u> | HASE . | W | IRE + | GNI | D. | | ENCLOS | SURE T | YPE: <u>N</u> | EMA 1 | | | _м | OUNTING: 🛛 SURFACE 🔲 FLUSH |
| SHORT CIR RATING: 10 KAIC | | BUS | 3 TYPE | : 🛛 CC |)PPER | | ALUMI | NUM | 1 | | INTERIC |)R: <u> N</u> | <u>IAIN LL</u> | JGS | | IAIN | 1 C | IRCUIT BREAKER - SEE ONE LINE |
| O.C. DEVICES: BOLT-ON | LUC | 3-0 | <u>N</u> | DEVICE | E FAMIL | _Y: | | | _ | | | <u> </u> | UB-FE | ED CIR | | BRE | AK | ER – SEE ONE LINE |
| DESCRIPTION | 6 | ¥ | VO | | MPS | | СКТ | В | JS (| CONN | . скт | | VO | LT • AN | MPS | ſĽ | 0 | DESCRIPTION |
| DESCRIPTION | Ľ | l₹ | фА | φв | фС | BKK. | NO. | <i>,</i> | A E | 3 C | NO. | BRK. | фА | φв | фс |]≧ | Ľ | |
| SPACE 72 | X | X | 3600 | | | 30 | 1 | ┝ | | | 2 | 50 | 1800 | | | X | X | SPACE 70 |
| | | | | | | | 3 | \vdash | | | - 4 | - | | 1800 | | X | X | SPACE 70 |
| SPACE 69 | X | X | | | 3600 | 50 | 5 | ⊢ | | | - 6 | 30 | | | | | | NOT USED |
| | | | | | | | 7 | ┝ | | | - 8 | T | | | | | | |
| SPACE 73 | X | X | | 1800 | | 60 | 9 | ⊢ | | - | 10 | 30 | | 3600 | | X | X | SPACE 71 |
| SPACE 73 | X | X | | | 1800 | - | 11 | ┣ | | - | 12 | | | | | | | |
| | | | | | | | 13 | ┣┥ | | | - 14 | | | | | | | |
| | | | | | | | 15 | \vdash | - | - | - 16 | | | | | | | |
| | F | \square | | | | | 17 | | | - | 18 | | | | | | | |
| | E | \square | | | | | 19 | \vdash | • | | 20 | | | | | - | _ | |
| TOTALS | | | 3600 | 1800 | 5400 | | | | | | | | 1800 | 5400 | 0 | | | |
| BUS A <u>5.4 K</u> VA | | | | | | | | | | | | | - | | | | | |
| BUS B <u>7.2 K</u> VA | | | | | | | | | | | | | | | | | | |
| <u>BUS C 5.4 KVA</u> | | | | | | | | | | | | | | | | | | |
| TOTAL 18.0 KVA | | | | | | | | | | | | | | | | | | |





PACE 57 HAS METER PEDESTAL









| PANEL NAME: 14 | 1.00 | | 14 | | | | | P | | TYPF | ПР | | | | | ٦ | PANEL NAME: 15 | | | ON+ 15 | | | | | P | | TYPF | | ANFI F | |) | X LOAD CENT | TFR | | PANEL NAME: 16 | | |
|---|------------|------------|-----------------------------|--------|-----|--------------|--------------|------------|------------|----------|---------------|----------------------------|---------------|--------|--------------------------------|---|---|------------------|--------------------|------------------|--------------|---------------|------------|--------------|-----------|------------|----------|---------|---------|------------|--------|----------------|--------------------|---------|---|----------------------------------|------|
| VOLTAGE: <u>208/120</u> BUS RA | ATING: 100 | | <u></u> PHA | SE _ 4 | | E + GN | | 13 | NCLOS | SURE T | YPE: <u> </u> | NEMA 1 | | M | | | VOLTAGE: <u>208/120</u> | BUS RATIN | IG: <u>100</u> | <u> </u> | PHASE | _ 4 _W | IRE + | GND. | EN | NCLOS | URE T | [YPE:] | NEMA | 1 | , | | | LUSH | VOLTAGE: 208/120 | D BUS F | ATIN |
| SHORT CIR RATING: 10 KAIC | BUS | 5 TYPE: | | ER | | LUMINU | М | IN | ITERIO | R: 🔟 I | MAIN I | LUGS | | IAIN C | CIRCUIT BREAKER - SEE ONE LINE | | SHORT CIR RATING: 10 | KAIC | BUS TI | ′PE: <u> </u> | COPPER | | ALUMIN | IUM | IN | TERIO | R: 🔟 M | MAIN I | LUGS | |] MAIN | CIRCUIT BREAKE | <u>ER – SEE ON</u> | IE LINE | SHORT CIR RATING | G: <u>10 KAIC</u> | |
| O.C. DEVICES: BOLT-ON | PLUG-0 | <u>N</u> I | DEVICE F | AMILY: | | | _ | | | <u> </u> | SUB-F | EED CI | RCUIT E | BREAK | ER – SEE ONE LINE | | | -ON 🛛 | PLUG-ON | _ DEVI | CE FAMI | LY: | | | | | <u> </u> | SUB-F | FEED C | RCUIT | T BREA | AKER – SEE ONE | E LINE | | O.C. DEVICES: B | BOLT-ON | |
| DESCRIPTION | LTG PWR | VOL ¢A | . <u>т • амрз</u> фв ф | B B | RK. | CKT B NO. | US CO A B | ONN. C | CKT NO. | BRK. | - V фА | <mark>ЭLT ∙ А</mark> фВ | MPS ¢C | P WR | DESCRIPTION | | DESCRIPTION | | PWR | VOLT • A ØE | AMPS 3 ¢C | BRK. | CKT NO. | BUS C A B | ONN. C | CKT NO. | BRK. | ·φΑ | ОLT • Л | AMPS фс | PWR | 안 DESCRIPTIC | NC | | DESCRIPTION | | |
| | | | | | | 1 – | | | 2 | | | | | | | | | | | | | | 1 | -+ | | 2 | | | | | | | | | SPACE 94 | | |
| SPACE 76 | X X | | 3600 | 4 | 40 | 3 – | ┼┿ | + | 4 | 40 | | 3600 | | XX | SPACE 77 | | | | | | | | 3 | | + | 4 | | | | | | | | | SPACE 94 | | |
| | | | | | | 5 – | + + | | 6 | 20 | | | 500 | X | TIME CLOCK/ SITE LTS | | | | | | | | 5 | | -∳[| 6 | | | | | | | | | SPACE 96 | | |
| SPACE 78 | X X | 3600 | | 4 | 40 | 7 - | ✦┼ | - | 8 | 40 | 1800 |) | | XX | SPACE 87 | | | | | | | | 7 | _ ┣ - | + | 8 | | | | | | | | | SPACE 96 | | |
| | | | | | | 9 | ┼┿ | - | 10 | - | | 1800 | | XX | SPACE 87 | | | | | | | | 9 | | - | 10 | | | | | | | | | SPACE 95 | | |
| SPACE 79 | X X | | 36 | 00 4 | 40 | 11 | + + | - - | 12 | 40 | | | 3600 | XX | SPACE 86 | | | | | | | | 11 | | -∳[| 12 | | | | | | | | | SPACE 95 | | |
| SPACE 84 | X X | 1800 | | 4 | 40 | 13 | ✦┼ | + | 14 | 40 | 1800 |) | | XX | SPACE 88 | | | | | | | | 13 | _ ✦ _ ├ | + | 14 | | | | | | | | | SPACE 97 | | |
| SPACE 84 | X X | | 1800 | | - | 15 | ┼┿ | +- | 16 | - | | 1800 | | XX | SPACE 88 | | | | | | | | 15 | | + | 16 | | | | | | | | | SPACE 97 | | |
| SPACE 85 | X X | | 18 | 00 4 | 40 | 17 | + + | | 18 | 20 | | | 500 | X | SITE LTS | | SPACE 74 | | XX | | 3600 | 30 | 17 | | -∳[| 18 | 40 | | | 180 | 20 X | X SPACE 75 | | | | | — |
| SPACE 85 | XX | 1800 | | | - | 19 | • | | 20 | | | | | | | | | | | | | | 19 | | | 20 | - | 180 | 0 | | X | X SPACE 75 | | | | | _ |
| TOTALS | | 7200 | 5400 5 | 400 | | | | | | | 36 | DØ 720 | ¢ 4600 | þ | | | TOTALS | | 0 | 0 | 3600 | | | | | | | 1800 | 0 | 180 | 0 | | | | TOTALS | | |
| BUS A 10.8 KVA BUS B 12.6 KVA BUS C 10.0 KVA TOTAL 33.4 KVA | | | | - | | | | | | | | | | | | | BUS A 1.8 KV BUS B 0.0 KV BUS C 5.4 KV TOTAL 7.2 KV | A A A A | | | | | | | | | | | | · | · | | | | BUS A <u>9.5</u> BUS B <u>9.0</u> <u>BUS C 7.2</u> TOTAL 25. | 5 KVA 5 KVA 2 KVA 7 KVA | |





| PANEL NAME: 17 | LOCATION: <u>17</u> | PANEL TYPE: 🛛 PANEL BOARD 🗌 LOAD CENTER | PANEL NAME: 18 | LOCA | ATION: 18 | | | | PANEL | . TYPE: [|] PANEL | BOARD | <u> </u> | LOAD CENTER |
|--------------------------|--|---|---------------------------|--------------|-----------------|--------------|--------|----------------------|-----------------|-----------|-----------------|--------------|------------|-------------------------------------|
| VOLTAGE: 208/120 BUS RA | TING: <u>125</u> <u>1</u> PHASE <u>3</u> WIRE + GND. | ENCLOSURE TYPE: <u>NEMA 1</u> MOUNTING: 🛛 SURFACE 🗌 FLUSH | VOLTAGE: 208/120 BUS RA | TING: 100 | 3 | _ PHASE _ | 4 WIRE | + GND. | ENCLC | SURE TYP | PE: <u>NEMA</u> | 1 | мо | UNTING: 🛛 SURFACE 🗌 FLUSH |
| SHORT CIR RATING: 40KAIC | BUS TYPE: 🛛 COPPER 🛛 ALUMINUM | INTERIOR: 🛛 MAIN LUGS 🛛 MAIN CIRCUIT BREAKER | SHORT CIR RATING: 10 KAIC | BUS | TYPE: 🔟 | COPPER | | MINUM | INTERI | OR: 🛛 MA | NN LUGS | | MAIN CIF | <u> RCUIT BREAKER – SEE ONE LIN</u> |
| O.C. DEVICES: BOLT-ON | DEVICE FAMILY: | SUB-FEED CIRCUIT BREAKER | O.C. DEVICES: BOLT-ON | PLUG-ON | DEV | ICE FAMIL | Y: | | | | B-FEED | CIRCUIT E | BREAKE | R – SEE ONE LINE |
| DESCRIPTION | UNCLT AMPS BRK. CKT BUS A DA DB BRK. NO. A | CONN. CKT B NO. BRK. VOLT AMPS K U DESCRIPTION | DESCRIPTION | LTG PWR | VOLT • ØA ØE | AMPS 3 ¢C | | T BUS CO | NN. CKI C NO | - BRK | VOLT · ¢A ¢I | AMPS B ¢C | PWR LTG | DESCRIPTION |
| | | | | | | | 1 | | 2 | 60 | 1800 | | XX | SPACE 68 |
| | | 2 | | | | | 3 | ╶┧╌┼╺┿╴ | 4 | - | 18 | 00 | XX | SPACE 68 |
| | | 3 | | | | | 5 | | 6 | | | | | |
| | | 4 20 500 X TIME CLOCK/ SITE LTS | SPACE 68A | XXI | 1800 | | 40 7 | | 8 | | | | | |
| | | 5 50 1800 X X SPACE 104 | SPACE 68A | XX | 180 | 0 | - 9 | ╶┠╌┼╺┿╴ | 10 | | | | | |
| | | 6 – 1800 X X SPACE 104 | SPACE 67B | XX | | 1800 | 40 11 | | 12 | | | | | |
| | | 7 50 1800 X X SPACE 101 | SPACE 67B | X X 1 | 1800 | | - 13 | ╤╌╋╌┼╴ | 14 | 40 | 1800 | | XX | SPACE 68B |
| | | 8 – 1800 X X SPACE 101 | | | | | 15 | ▖ <mark>╶╶╶╴┿</mark> | 16 | - | 18 | 00 | XX | SPACE 68B |
| | | 9 50 1800 X X SPACE 103 | | | | | 17 | ╯┓╴┼╶┼╴ | 1 8 | | | | | |
| | | 10 – 1800 X X SPACE 103 | | | | | 19 | ╷┐─┢─── | 20 | | | | | |
| | | 11 50 1800 X X SPACE 102 | TOTALS | | | | | | | | | | T | |
| | | 12 - 1800 X X SPACE 102 | BUS A 7.2 KVA | | | | | | | | | | <u> </u> | |
| TOTALS | 0 0 | 7200 7700 | BUS B <u>5.4 K</u> VA | SPACE 68 H | AS METER | PENESTAI | | | | | | | | |
| BUS A 7.2 KVA | · · · | | <u>BUS C 1.8 KVA</u> | | | LDESTAL | | | | | | | | |
| BUS B 7.7 KVA | | | TOTAL 14.4 KVA | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTAL 14.9 KVA | | | | | | | | | | | | | | |

<u>Meter cabinet #17</u>





| PANEL NAME: 19 LOCATION: 19 PANEL TYPE: PANEL BOARD I LOAD CENTER VOLTAGE: 208/120 BUS RATING: 100 3 PHASE 4 WIRE + GND. ENCLOSURE TYPE: NEMA 1 MOUNTING: SURFACE FLUSH SHORT CIR RATING: 10 KAIC BUS TYPE: ICOPPER ALUMINUM INTERIOR: IMAIN LUGS MAIN CIRCUIT BREAKER – SEE ONE LINE |
|--|
| PANEL NAME: 19 PANEL TYPE: PANEL BOARD IOAD CENTER VOLTAGE: 208/120 BUS RATING: 100 3 PHASE 4 WIRE + GND. ENCLOSURE TYPE: NEMA 1 MOUNTING: SURFACE I FLUSH SHORT CIR RATING: 10 KAIC BUS TYPE: COPPER ALUMINUM INTERIOR: MAIN LUGS MAIN CIRCUIT BREAKER - SEE ONE LINE |
| PANEL NAME: 19 LOCATION: 19 PANEL TYPE: PANEL BOARD I LOAD CENTER VOLTAGE: 208/120 BUS RATING: 100 3 PHASE 4 WIRE + GND. ENCLOSURE TYPE: NEMA 1 MOUNTING: SURFACE FLUSH SHORT CIR RATING: 10 KAIC BUS TYPE: COPPER ALUMINUM INTERIOR: MAIN LUGS MAIN CIRCUIT BREAKER - SEE ONE LINE |
| PANEL NAME: 19 LOCATION: 19 PANEL TYPE: PANEL BOARD LOAD CENTER VOLTAGE: 208/120 BUS RATING: 100 3 PHASE 4 WIRE + GND. ENCLOSURE TYPE: NEMA 1 MOUNTING: SURFACE FLUSH SHORT CIR RATING: 10 KAIC BUS TYPE: COPPER ALUMINUM INTERIOR: MAIN LUGS MAIN CIRCUIT BREAKER - SEE ONE LINE |
| PANEL NAME: 19 LOCATION: 19 PANEL TYPE: PANEL BOARD I LOAD CENTER VOLTAGE: 208/120 BUS RATING: 100 3 PHASE 4 WIRE + GND. ENCLOSURE TYPE: NEMA 1 MOUNTING: SURFACE FLUSH SHORT CIR RATING: 10 KAIC BUS TYPE: OPPER ALUMINUM INTERIOR: MAIN LUGS MAIN CIRCUIT BREAKER - SEE ONE LINE |
| VOLTAGE: 208/120 BUS RATING: 100 3 PHASE 4 WRE + GND. ENCLOSURE TYPE: NEMA MOUNTING: Image: Support Image: Support |
| SHORT CIR RATING: 10 KAIC BUS TYPE: COPPER ALUMINUM INTERIOR: MAIN LUGS MAIN CIRCUIT BREAKER – SEE ONE LINE |
| |
| O.C. DEVICES: ☐BOLT-ON |
| DESCRIPTION |
| |
| SPACE 80 X X 1800 40 1 2 |
| SPACE 80 X X 1800 - 3 4 40 1800 X X SPACE 90 |
| SPACE 81 X X 1800 40 5 6 - 1800 X X SPACE 90 |
| SPACE 81 X X 1800 - 7 8 40 1800 X X SPACE 91 |
| SPACE 82 X X 3600 40 9 10 - 1800 X X SPACE 91 |
| NOT USED 40 11 40 12 40 1800 X X SPACE 93 |
| SPACE 83 X X 1800 40 13 41 14 - 1800 X X SPACE 93 |
| SPACE 83 X X 1800 - 15 16 20 500 X TIME CLOCK/ SITE LTS |
| SPACE 89 X X 1800 40 17 18 18 18 18 18 18 18 18 18 18 18 18 18 |
| SPACE 89 X X 1800 - 19 20 20 20 20 20 20 20 20 20 20 20 20 20 |
| TOTALS 7200 7200 3600 3600 3600 3600 3600 |
| BUS A 10.8 KVA |
| BUS B 11.3 KVA |
| BUS C 7.2 KVA |
| TOTAL 29.3 KVA |









