NOTE 5 & 6

| LOAD | | | | LOAD PER PHASE (VA) | | | | | | | | | | | | | | LOAD PER PHASE (VA) | | | | LOAD | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DESCRIPTION | | QTY. | UNIT V.A. | PHASE A | PHASE B | WIRE COLOR | LOADS CONTINUOUS | LOADS NON-CONTINUOUS | LOADS SUB-PANEL | WIRE SIZE | GROUNDING WIRE SIZE | TRIP | TRIP | GROUNDING WIRE SIZE | WIRE SIZE | LOADS SUB-PANEL | LOADS NON-CONTINUOUS | LOADS CONTINUOUS | WIRE COLOR | PHASE A | PHASE B | UNIT V.A. | QTY. | DESCRIPTION | |
| C79 | 1 | RECTIFIER #1 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | 50 | (10) | 8 | | X | | BLK | 3196 | | 3196 | 1 | HVAC #1 | 2 |
| | 3 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | 3196 | 3196 | 1 | | 4 |
| C79 | 5 | RECTIFIER #2 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | 50 | (10) | 8 | | X | | BLK | 3196 | | 3196 | 1 | HVAC #2 | 6 |
| | 7 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | 3196 | 3196 | 1 | | 8 |
| C80 | 9 | RECTIFIER #3 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | 20 | | | | X | | BLK | 2360 | | 2360 | 1 | GFCI RECEPTACLE & BLOCK HEATER BAT. CHARGER & BAT. WARMER | 10 |
| | 11 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | – | – | – | SPACE | 12 |
| C80 | 13 | RECTIFIER #4 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | 20 | – | 12 | | | X | BLK | 1260 | | 180 | 7 | INTERIOR RECEPTACLES & CORD REEL | 14 |
| | 15 | | 1 | 800 | | 800 | RED | | | | | | | 20 | 12 | 12 | | | X | RED | | 207 | 64/15 | 3/1 | INTERIOR LIGHTS | 16 |
| C85 | 17 | RECTIFIER #5 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | 20 | 12 | 12 | | | X | BLK | 62 | | 31 | 2 | EXTERIOR LIGHTS | 18 |
| | 19 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | | | | RECTIFIER #11 (OPTIONAL) | 20 |
| C85 | 21 | RECTIFIER #6 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | | | | | | | BLK | | | | | | 22 |
| | 23 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | | | | RECTIFIER #12 (OPTIONAL) | 24 |
| C92 | 25 | RECTIFIER #7 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | | | | | | | BLK | | | | | | 26 |
| | 27 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | | | | RECTIFIER #13 (OPTIONAL) | 28 |
| C92 | 29 | RECTIFIER #8 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | | | | | | | BLK | | | | | | 30 |
| | 31 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | | | | RECTIFIER #14 (OPTIONAL) | 32 |
| C94 | 33 | RECTIFIER #9 | 1 | 800 | 800 | | BLK | X | | | 8 | 10 | 40 | | | | | | | BLK | | | | | | 34 |
| | 35 | | 1 | 800 | | 800 | RED | | | | | | | | | | | | | RED | | | | | RECTIFIER #15 (OPTIONAL) | 36 |
| C94 | 37 | RECTIFIER #10 (OPTIONAL) | | | | | BLK | | | | | | | | | | | | | BLK | | | | | | 38 |
| | 39 | | | | | | RED | | | | | | | | | | | | | RED | | | | | RECTIFIER #16 (OPTIONAL) | 40 |
| (41) | 41 | EXTERIOR RECEPTACLE | 2 | 180 | 360 | | BLK | X | | | 12 | (12) | 20 | | | | | | | BLK | | | | | | 42 |
| | | | SUBTOTAL CONTINUOUS | | 7,920 | 7,200 | | | | | | | | | | | | | | | 1,322 | 207 | SUBTOTAL CONTINUOUS | | TOTAL KVA CONTINUOUS x 1.25 | 20.81 |
| | | | SUBTOTAL NON-CONTINUOUS | | – | – | | | | | | | | | | | | | | | 8,752 | 6,392 | SUBTOTAL NON-CONTINUOUS | | TOTAL KVA NON-CONTINUOUS | 15.14 |
| | | | SUBTOTAL SUB-PANEL | | – | – | | | | | | | | | | | | | | | – | – | SUBTOTAL SUB-PANEL | | TOTAL KVA SUB-PANEL | – |
| | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL KVA | 35.95 |
| | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL AMPS | 149.8 |

PANEL DESIGNATION: ELECTRICAL PANEL (ITEM 1)

| | | | | | |
|---|---|---|---|---|---|
| MAIN LUGS: N/A | MAIN BREAKER: 400 AMP | MAIN BREAKER A.I.C RATING: 22,000 A.I.C | BRANCH BREAKER A.I.C RATING: 10,000 A.I.C | BRANCH BREAKER TYPE: SQUARE D – BOLT ON | |
| VOLTAGE: 120/240 | CYCLE: 60 | PHASE: 1 | WIRES: 3 | MAIN COPPER BUS: – AMPS | NEUTRAL: – AMPS |

FUTURE

48
35
40
11 — 59
82 — 49 — 38
10 — 9
7
PC — 39
PC — 39

NOTE 7

NOTES:

1. ALL WIRE TO BE #12 THHN/THWN UNLESS NOTED OTHERWISE.
   COLOR CODE:
   - AØ = BLACK
   - BØ = RED
   - NEUTRAL = WHITE
   - GROUND = GREEN
2. ALL WORK TO CONFORM TO N.E.C. LATEST STATE ADOPTED EDITION.
3. LABEL SERVICE DISCONNECT WITH A RED TAG.
4. SWITCH LEG CONDUCTORS SHALL BE THE SAME COLOR AS CIRCUIT CONDUCTORS.
5. PULL WIRES TO END OF FLEXIBLE METALLIC CONDUIT. COIL 3'–0" AT END OF FLEXIBLE METALLIC CONDUIT & TAG.
6. PULL ONE GROUND CONDUCTOR PER FLEXIBLE METALLIC CONDUIT. FOR ALL OTHER CIRCUITS PULL A SEPARATE CONDUCTOR.
7. THESE WIRES ARE TO BE PULLED TO THE END OF THE WIREWAY; COIL AND TAG 12'–0". INSTALL & TAPE WIRENUTS TO WIRING.
8. ALL GFCI RECEPTACLES TO HAVE A DEDICATED GROUND WIRE.
9. SEE ELECTRICAL SCHEMATIC #2 SHEET FOR MORE DETAILS.
10. EQUIPMENT TERMINATION LUGS AND CONDUCTORS ARE RATED AT A MINIMUM OF 75°C.

KEY:

- (PC) = PHOTOCELL
- (M) = MOTION DETECTOR
- – = CONDUIT GROUND
- # = NON-DEDICATED GROUND
- (#) = DEDICATED GROUND
- <#> = ISOLATED GROUND

| REV. | BY | DATE | REVISION | APP. | DATE | BOM | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

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AT&T MOBILITY

11'–5" X 24'–0" PATIO SHELTER

ELECTRICAL SCHEMATIC #1

| DRN. BY: | DATE: | APP. BY: | DATE: |
|---|---|---|---|
| CSP | 6/5/13 | CSP | – |
| CHK. BY: | DATE: | APP. BY: | DATE: |
| | | MG | – |

FIBREBOND

SCALE: NONE | SHEET NO.: 3–1.1

B | DWG NO.: D–9312