

LOAD		LOAD PER PHASE (VA)		WIRE COLOR	LOADS CONTINUOUS	LOADS NON-CONTINUOUS	LOADS SUB-PANEL	WIRE SIZE	GROUNDING WIRE SIZE	TRIP	LOAD PER PHASE (VA)		LOAD													
DESCRIPTION	QTY.	UNIT V.A.	PHASE								PHASE	UNIT V.A.	QTY.	DESCRIPTION												
			A												B	A	B									
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						RED							26
	27		1	800		800	RED												RED							28
C92	29	RECTIFIER #8	1	800	800	BLK	X				8	10	40						BLK							30
	31		1	800		800	RED												RED							32
C94	33	RECTIFIER #9	1	800	800	BLK	X				8	10	40						BLK							34
	35		1	800		800	RED												RED							36
C94	37	RECTIFIER #10 (OPTIONAL)				BLK													BLK							38
	39					RED													RED							40
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		-						
PANEL DESIGNATION: ELECTRICAL PANEL (ITEM 1)																						TOTAL KVA		35.95		
MAIN LUGS: N/A		MAIN BREAKER: 200 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				TOTAL KVA		149.8								
VOLTAGE: 120/240		CYCLE: 60		PHASE: 1		WIRES: 3		MAIN COPPER BUS: 200 AMPS				NEUTRAL: 200 AMPS				TOTAL AMPS		149.8								

NOTE 5 & 6

NOTE 7

NOTES:

- ALL WIRE TO BE #12 THHN/THWN UNLESS NOTED OTHERWISE.  
COLOR CODE:  
• AØ = BLACK  
• BØ = RED  
• NEUTRAL = WHITE  
• GROUND = GREEN
- ALL WORK TO CONFORM TO N.E.C. LATEST STATE ADOPTED EDITION.
- LABEL SERVICE DISCONNECT WITH A RED TAG.
- SWITCH LEG CONDUCTORS SHALL BE THE SAME COLOR AS CIRCUIT CONDUCTORS.
- PULL WIRES TO END OF FLEXIBLE METALLIC CONDUIT. COIL 3'-0" AT END OF FLEXIBLE METALLIC CONDUIT & TAG.
- PULL ONE GROUND CONDUCTOR PER FLEXIBLE METALLIC CONDUIT. FOR ALL OTHER CIRCUITS PULL A SEPARATE CONDUCTOR.
- THESE WIRES ARE TO BE PULLED TO THE END OF THE WIREWAY; COIL AND TAG 12'-0". INSTALL & TAPE WIRENUTS TO WIRING.
- ALL GFCI RECEPTACLES TO HAVE A DEDICATED GROUND WIRE.
- SEE ELECTRICAL SCHEMATIC #2 SHEET FOR MORE DETAILS.
- 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: CSP DATE: 6/5/13 APP. BY: CSP DATE: -  
CHK. BY: DATE: APP. BY: MG DATE: -

FIBREBOND

SCALE: NONE SHEET NO.: 3-1

DWG NO.: D-9312