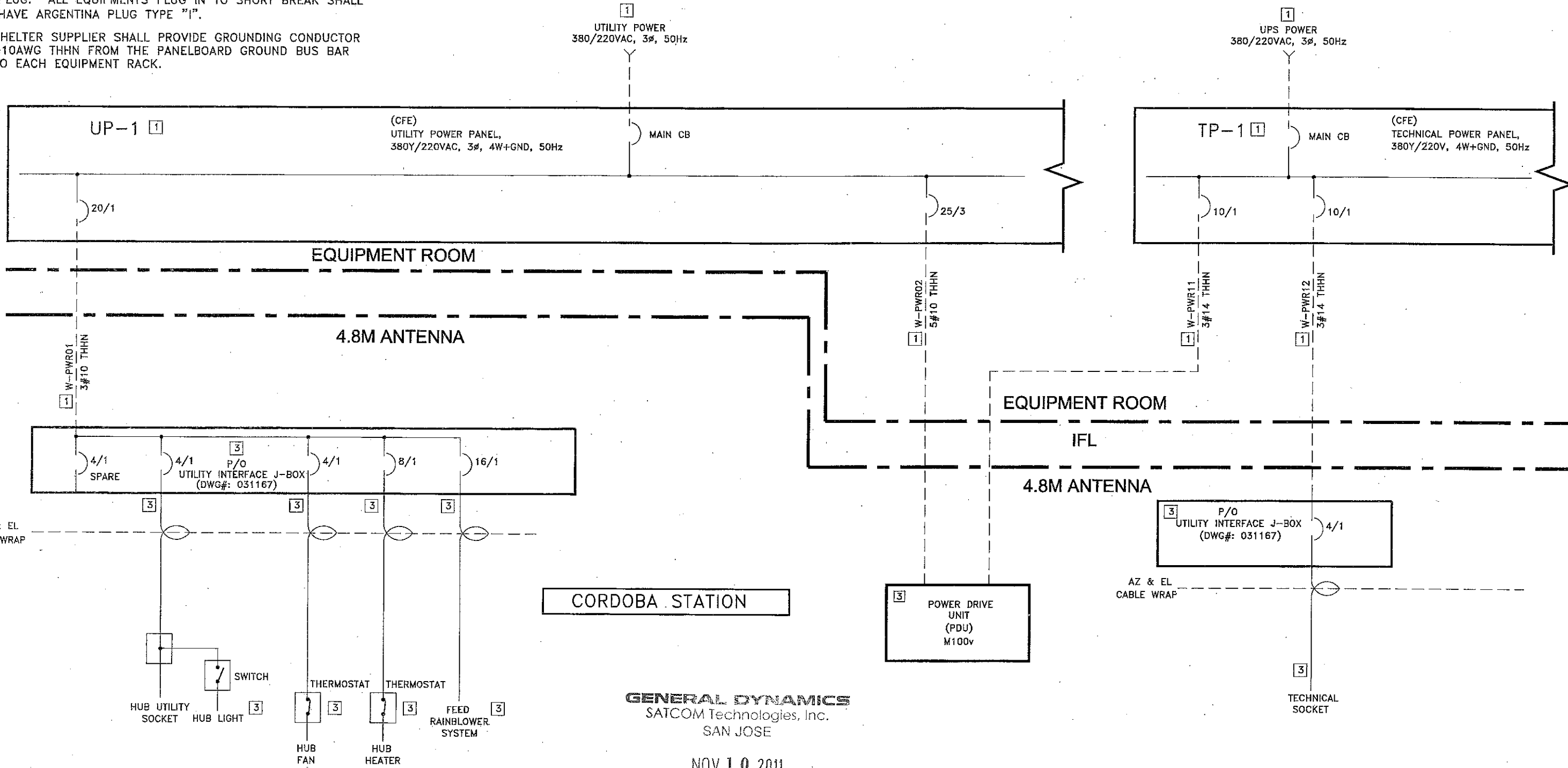


NOTES (UNLESS OTHERWISE SPECIFIED)

- 1 CFE- CUSTOMER FURNISHED EQUIPMENT
- 2 GDST SAN JOSE, CALIFORNIA FURNISHED EQUIPMENT
- 3 GDST KILGORE, TEXAS FURNISHED EQUIPMENT
- 4. ALL EQUIPMENTS PLUG IN TO UPS SHALL HAVE SCHUKO PLUG. ALL EQUIPMENTS PLUG IN TO SHORT BREAK SHALL HAVE ARGENTINA PLUG TYPE "I".
- 5. SHELTER SUPPLIER SHALL PROVIDE GROUNDING CONDUCTOR #10AWG THHN FROM THE PANELBOARD GROUND BUS BAR TO EACH EQUIPMENT RACK.

- 6. SINGLE PHASE AC WIRING SHALL BE THREE WIRES: HOT, NEUTRAL, AND GROUND. WIRE COLOR SHALL BE BRN, LIGHT BLU, AND GRN/YEL RESPECTIVELY.
- 7. THREE PHASE AC WIRING SHALL BE FIVE WIRES: PHASE L1, PHASE L2, PHASE L3, NEUTRAL, AND PROTECTIVE EARTH. WIRE COLOR SHALL BE BROWN, BLK, RED, LIGHT BLUE, AND GRN/YEL RESPECTIVELY.

REVISONS			DRN	CHK	RELEASE
REV	ECN NO.	DESCRIPTION			
A	-	INITIAL RELEASE	RL	VP	05/10/11



CORDOBA STATION

POWER DRIVE UNIT (PDU) M100v

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SAN JOSE

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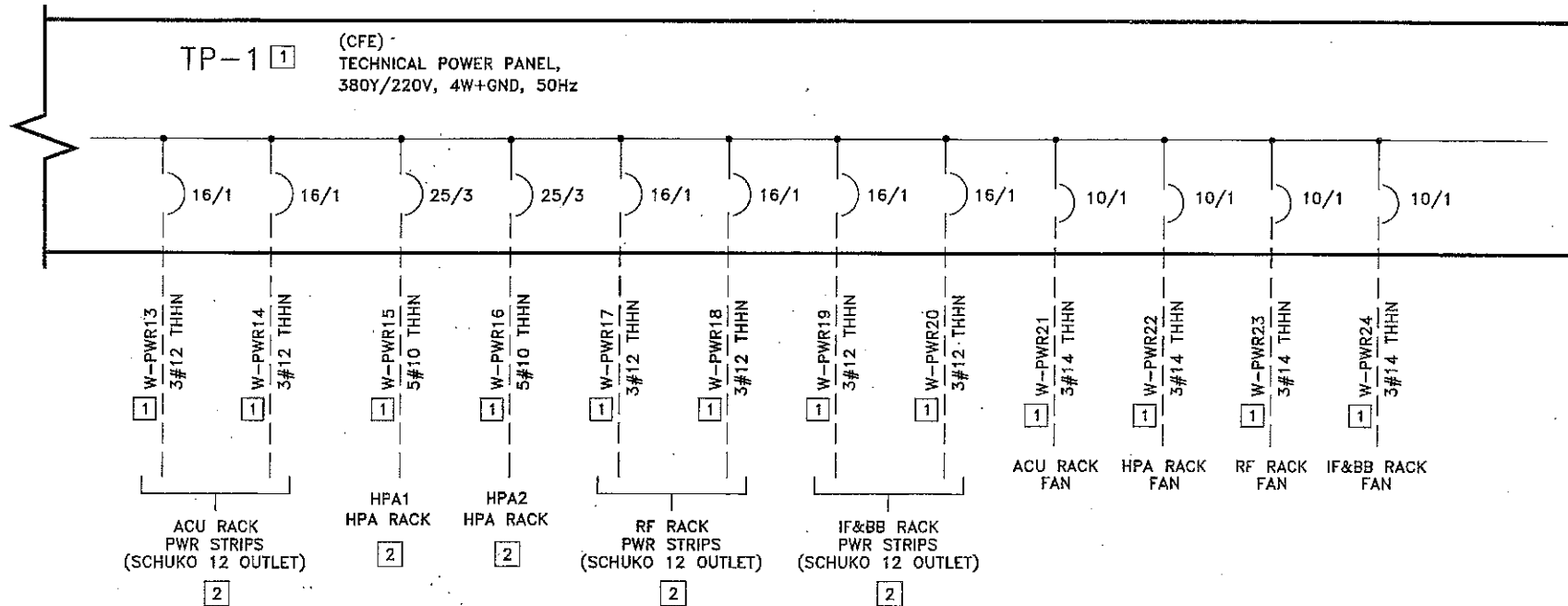
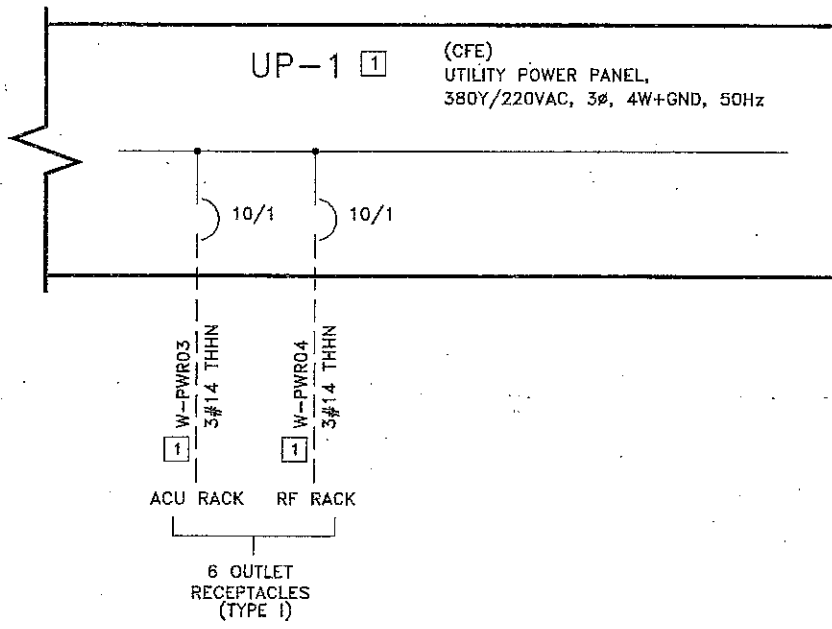
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [mm]		GENERAL DYNAMICS SATCOM Technologies, Inc.		2205 FORTUNE DRIVE SAN JOSE, CA 95131	
DECIMALS X.XX ± .005	FRACTIONS X/X ± .005	ANGLES X.X ± .01	POWER ONE-LINE DIAGRAM 4.8 METER ANTENNA		
MACHINE FINISH DO NOT SCALE DRAWING		SIZE D	CAGE CODE 1MA11	ITEM 7470	SUB-ASSY 35
7470	7470-34-00	DRN RAUL LUNA	11/7/11	TYPE 11	REV A
USED ON	NEXT ASSEMBLY	CHK V. PHUNG	VP	11/9/11	
APPLICATION	PROJ MGR	S. S. S.	11-9-11	SCALE NONE	FN: 7470-35-11_RevA
				SHEET 1 OF 3	

CORDOBA STATION
AR-SAT 4.8M LMA (Ku-BAND)

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EQUIPMENT ROOM



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SIZE	CAGE CODE	ITEM	SUB-ASSY	TYPE	REV
D	1MA11	7470	35	11	A
SCALE	NONE	FN: 7470-35-11_RevA	SHEET 2 OF 3		

POWER BUDGET

4.8M ANTENNA UTILITY POWER BUDGET, UP-1 (CFE)

EQUIPMENT / LOCATION	POWER REQUIRED	VOLTAGE REQUIRED	POWER SOURCE
ANTENNA LOADS			
UTILITY POWER FEEDER (TOTAL)	3.21KVA	220VAC, 1Ø	UP-1
POWER DRIVE UNIT (PDU)	9.0KVA	380VAC, 3Ø	UP-1
EQUIPMENT ROOM			
ACU RACK RECEPTACLES (TYPE I, 6 OUTLET)	1.9KVA	220VAC, 1Ø	UP-1
RF RACK RECEPTACLES (TYPE I, 6 OUTLET)	1.9KVA	220VAC, 1Ø	UP-1
PANEL UP-1 CONNECTED LOAD = 16.0KVA X 125% (FUTURE) = 20KVA			

4.8M ANTENNA TECHNICAL POWER BUDGET, TP-1 (CFE)

EQUIPMENT / LOCATION	POWER REQUIRED	VOLTAGE REQUIRED	CFE POWER SOURCE
ANTENNA LOADS			
PDU CONTROL	0.3KVA	220VAC, 1Ø	TP-1
HUB TECHNICAL SOCKET (SCHUKO)	0.2KVA	220VAC, 1Ø	TP-1
EQUIPMENT ROOM			
ACU RACK POWER STRIP #1 (SCHUKO 12 OUTLET)	1.9KVA	220VAC, 1Ø	TP-1
ACU RACK POWER STRIP #2 (SCHUKO 12 OUTLET)	1.9KVA	220VAC, 1Ø	TP-1
HPA RACK HPA#1	8.4KVA	380VAC, 3Ø	TP-1
HPA RACK HPA#2	8.4KVA	380VAC, 3Ø	TP-1
RF RACK POWER STRIP #1 (SCHUKO 12 OUTLET)	1.9KVA	220VAC, 1Ø	TP-1
RF RACK POWER STRIP #2 (SCHUKO 12 OUTLET)	1.9KVA	220VAC, 1Ø	TP-1
IF&BB RACK POWER STRIP #1 (SCHUKO 12 OUTLET)	1.9KVA	220VAC, 1Ø	TP-1
IF&BB RACK POWER STRIP #2 (SCHUKO 12 OUTLET)	1.9KVA	220VAC, 1Ø	TP-1
ACU RACK FAN	0.5KVA	220VAC, 1Ø	TP-1
HPA RACK FAN	0.5KVA	220VAC, 1Ø	TP-1
RF RACK FAN	0.5KVA	220VAC, 1Ø	TP-1
IF&BB RACK FAN	0.5KVA	220VAC, 1Ø	TP-1
PANEL TP-1 CONNECTED LOAD = 30.7KVA X 125% (FUTURE) = 38.4KVA			

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SIZE	CAGE CODE	ITEM	SUB-ASSY	TYPE	REV
D	1MA11	7470	35	11	A
SCALE NONE		FN: 7470-35-11_RevA		SHEET 3 OF 3	