EXHIBIT R - JMMU Target Designation Ref:
TAB E - Power Centers

Power cent	2001 ASBUILT DRAWING SHEET	FEED FROM	location	Fiber Feeds Power to:	Fibers Entering PC	Fibers Exiting PC (excludes (JV)	Sump?	RLM Relay Controller	POWER AND FIBER DIRECTORIES at PC?	NOTES	Power centers
PJ1A	E-11 (sheet 215 of 451)	Pad Mounted Air Interrupter Switch PM-2	Behind LOA	C20, 412, 414	48	54	NO	NO	YES		PJ1A
PJ1B	E-16 (Sheet 220 of 451)	Pad Mounted Air Interrupter Switch PM-2	Behind LOA	(JV-5), 432, 420/C62	18	12	NO	NO	MISSING BOTH		PJ1B
PJ2A	E-17 (sheet 221 of 451)	PJ3A/SE-J1	Behind LOA	C14, C12, 418, 416, 426, 428, 430	84	114	NO	NO	MISSING FIBER		PJ2A
PJ2B	E-17 (sheet 221 of 451)	PJ1B	Behind LOA	C18, 448, 446, C16	72	96	NO	YES	YES	power feeds RLM	PJ2B
PJ3A	E-17 (sheet 221 of 451)	PJ3A/SE-J1	Behind LOA	436, C22, 424, 422, 438, MAT52	48	72	NO	NO	YES		PJ3A
PJ3B	E23 (sheet 227 of 451)	PJ2B	Behind LOA	(JV-25), 460, 462, 454, 452, 458	96	96	YES	NO	YES	Pit has flooding problem. Sump pump is working	PJ3B
PJ4A	E-17 (sheet 221 of 451)	PJ3A/SE-J1	Behind LOA	(JV-23), 444, C24, 440, 438, 442	60	66	NO	NO	YES		PJ4A
PJ4B	E23 (sheet 227 of 451)	PJ3B	Forward of LOA	(JV-43), 464, 472, MAT54, C32, 478	60	66	NO	NO	MISSING POWER		PJ4B
PJ5A	E-18 (sheet 222 of 451)	PJ4A	Behind LOA	450, 470, C30, 466, 456, C34	84	108	YES	NO	YES		PJ5A
PJ5B	E23 (sheet 227 of 451)	PJ4B	Forward of LOA	480, 490, C40, 486	48	60	YES	NO	YES		PJ5B
PJ6A	E-18 (sheet 222 of 451)	PJ5A	Forward of LOA	C26, C28, 474, 482, C38, C36, 468, 476	144	198	NO	NO	YES		PJ6A
PJ6B	E24 (sheet 228 of 451)	PJ5B	Forward of LOA	(JV-50, JV-69), 506, 492	84	84	NO	YES	MISSING POWER	RLM JL-2 relay	PJ6B
PJ7A	E24 (sheet 228 of 451)	PJ6A	Forward of LOA	(JV-52), 504, 498, 494, 488	72	72	NO	NO	YES		PJ7A
PJ7B	E25 (sheet 229 of 451)	PJ6B	Forward of LOA	(JV-66), 514, 512, 510, 508	60	24	YES	NO	YES		PJ7B
PJ8A	E-19 (sheet 223 of 451)	PJ7A	Forward of LOA	MV60, 498, 502, (JV-65)	48	42	NO	NO	YES		PJ8A
PJ8B	E-20 (sheet 224 of 451)	PJ9A	Forward of LOA	(JV-64), 528, 530, 524, 526, 520	30	30	NO	YES	YES	RLM CL-3 relay	PJ8B
PJ9A	E-20 (sheet 224 of 451)	PJ8A	Forward of LOA	516, 522, 518, PJ8B	30	18	NO	NO	YES		PJ9A
NOTE: SEE 2001 ASBUILT DRAWING CD-5					1086	1212					
FOR SINGLE LINE DIAGRAM FOR ELECTRICAL POWER DISTRIBUTION SEE SHEETS E-52 (sheet 255 of 451) thru E-54 (sheet 257 of 451)											
FOR SINGLE LINE DIAGRAMS SEE E-57 (sheet 260 of 451) & E-58 (sheet 261 of 451)											
ALL PCS FEED "TVSS" FOR "transient voltage surge suppressor"											
FOR TRENCH CROSS-SECTION SEE E-21 (sheet 225 of 451)											
For Single line diagram for fiber see E-61 (264 of 451), E-62 (265 of 451) & E-63 (266 of 451)											

876 End to End fiber testing from Central Control Building to PC patch panel.
1212 End to End fiber testing from PC patch panel to PC patch panel and targets
Total 2088 End to End fiber testing.

8 of 17 behind LOA
9 of 17 forward of LOA