Law Art Description Approx Process P		Cornell NYCTech FAB 100% Construction Document Electrical Summer Calculations																		
Marche M						1							Security	IT Equipment	IT Equipment	Misc. Eq.	Misc. Eq.	Misc. Ea.	Elevators	Elevators
Fig.	l evel	Area Description Approx ft ²						ł					•			Connected	DF	Demand	Connected	Demand
Color Colo		Approx it	Connected	Demana	Connected	Demana	Johnicoted		Demana	Oomicotca Den	idild	Connected	Demana	Connected	Demand	Connected	 	Demana	Connected	Demana
Color		LD D40	21.47	24.47					1									-		
## 19																4740		500.0		
## FFEA							-									1746	0.3	523.8		
## 11			1594	1594																
MC-1					1620	1620	3100	0.75	2325	21411 13	917									
1457 1458 1459		RP-LH			13720	11860										2160	0.3	648		
Control Cont		ELP-1S	4422	4422																
Control Cont		ELP-1N	4143	4143																
## 15 1.00 1					9900	9900	4151	0.75	3113							1160	0.3	348		
Decoration Copy Age Copy Age Copy Cop																9052	0.3	2715.6		
EX-18																10956	0.3	3286.8		
DEPTH					4320	4320														
Section Sect																3600	0.3	1080		
Script																				
Second					1920	1920	500	0.75	375			23040	3840							
1987 1988		LRIT-BN												7830	3960					
Section																				
Section 1700		SE-1					1200	0.7	840											
SISY								0.7												
March																	1			
NFF								1			+							+		
Lef			-			 		1 0 7			- 						+	+		+
C-1						 		ł									 	 		1
Fig.						ļ		-												1
CNP-164								-												
SCHAPT-SEE		JP-1					12600	0.7	8820											
SCAMPAGE		CHWP-1&2					22447	0.70	15713.16493											
19 99-162																				
CYM-147								1												1
CAPP NEC											+							+		1
CAPASAS						 					+						 	+		
MODULAN MARI SECONSY CHALER						-												 		
NFC1						1										<u> </u>		 		+
TFC2																				
TF-24																				
Fig. 4		TF-0.2					696	0.70	487.2											
Final		TF-0.3					696	0.70	487.2											
FOR-1		TF-0.4					696	0.70	487.2											
Col.																				
CU-02						 			, ,	 								+		1
FCU-0.3						1												+		1
UH-01						-												 		
UH-02						!												 		
Waste Designation						ļ			U											
Pulser Conscioughed							300	0.00	0											
Sub Total Load		Waste Dehydrator								12471 81	06									
Sub Total Load										16628 10	308									
Total Connected Floor Load VA \$22566 \$855 \$855 \$120 \$120 \$920 \$740 \$0 \$23040 \$360 \$																				
Total Connected Floor Load VA \$22566 \$855 \$855 \$120 \$120 \$920 \$740 \$0 \$23040 \$360 \$		Sub Total Load 21164	16909	16909	47840	42800	798363		553549	50510 32	332	23040	3840	7830	3960	28674		8602	0	0
Sub Total Emergency Load S475 S			10303	10303	47040	42000	7 30303		333343	30310 32	332	23040	3040	7000	3300	20014		0002		-
Total Engrapery Connected Floor Load VA			0505	0505	4000	4000	0000		7440			00040	2040	7000	2000	2000		4000		-
Book Wasset 13.6		Sub Total Emergency Load	8565	8565	1920	1920	9920		7440			23040	3840	7830	3960	3600		1080	0	0
Level Leve																				
UP-1S		Floor VA/sq.ft 43.6																		
UP-1S																				
LP-1S	Level 01																			
DP-IN RP-IS-A 1735 173		LP-1S	4054	4054							- 									1
PFS						†	1	 								1746	0.3	523.8		1
RP-15-A						 	+	 	+		+					1770	0.5	525.0		+
RP-IS-B 10160 10080 2520 0.75 1890			1133	1735	40050	40005	4000	0.75	4440	 						4500	1 00	1000.0		+
RP-INA 13220 11610																4536	0.3	1360.8		+
RP-IN-B							2520	0.75	1890							4762	0.3	1428.6		
RP-IN-C					13220	11610		ļ								2592	0.3	777.6		
PP-FS-B								0.75	2790			720	360			600	0.3	180		
P.FS-B		RP-1N-C			19880	14940	3840									3024	0.3	907.2		
LRIT-IN										72298 46	994									
TF-1.1 700 0.70 490 90						1		İ			- 			6840	3960					1
TF-1.2 700 0.70 490 1 <						 	700	0.70	490		- 			55.15	5555		 	+		+
TF-1.3 700 0.70 490 80						 					- 						 	+		+
FCU-1.1 2500 0.70 1750						1			-											+
FCU-1.2 1224 0.70 857						ļ												ļļ.		<u> </u>
FCU-1.3 1056 0.70 739 100 CUH-1.1 200 0.70 140 140 CUH-1.2 200 0.70 140 140 UH-1.1 20 0.00 0 100 UH-1.2 20 0.00 0 100 UH-1.3 30 0.00 0 100 UH-1.4 20 0.00 0 100 RFP-1 696 0.70 487 100 RFP-2 696 0.70 487 100								-	1											
FCU-1.3 1056 0.70 739 100 CUH-1.1 200 0.70 140 140 CUH-1.2 200 0.70 140 140 UH-1.1 20 0.00 0 100 UH-1.2 20 0.00 0 100 UH-1.3 30 0.00 0 100 UH-1.4 20 0.00 0 100 RFP-1 696 0.70 487 100 RFP-2 696 0.70 487 100		FCU-1.2					1224	0.70	857							<u> </u>				
CUH-1.1 200 0.70 140 0		FCU-1.3					1056	0.70	739											
CUH-1.2 200 0.70 140 0						Ī														
UH-1.1 20 0.00 0						<u> </u>														1
UH-1.2 20 0.00 0								-										+		+
UH-1.3 30 0.00 0 UH-1.4 20 0.00 0 RFP-1 696 0.70 487 0 RFP-2 696 0.70 487 0						 		-	<u> </u>		- 						 	+		+
UH-1.4 20 0.00 0 RFP-1 696 0.70 487 RFP-2 696 0.70 487						ļ			· ·									 		
RFP-1 RFP-2						ļ			0											
RFP-2 696 0.70 487							20	0.00	0											
RFP-2 696 0.70 487		RFP-1					696	0.70	487											
						Ī														
						1		-										+		
							000	0.70	707									+		
Out Tatall and		Cult Total Land	44040	44040	FOTOS	FOOTE	04450		40050	70000	20.4	700	000	60.45	0000	45000		F470	^	
			14616	14616	56730	50075	21458		12678	72298 46	994	720	360	6840	3960	17260		5178	U	U
Total Floor Load VA 117624																				
Sub Total Emergency Load 0 0 0 0 0 0 6840 3960		Sub Total Emergency Load	0	0	0	0	0		0			0	0	6840	3960	0		0	0	0

Part				Cor	nell NYCT	ech FAB	100% Con	struction D	ocument E	lectrical Su	ımmer Calculat	ons								7
													Security	IT Equipment	IT Equipment	Misc. Eq.	Misc. Eq.	Misc. Eq.	Elevators	Elevators
No. Part	Level	Area Description	Approx ft ²	Connected		Connected	Demand													Demand
Part		Total Emergency Connected Floor Load VA	6840																	
Column C		Floor VA/sq.ft	4.0																	
Column C																				
Column C																				
Part																				
1500 1500																				
No.																				
Proper																				
Street S				4346	4346															
SOLIT SOLI																	+			
1																				
Control Cont																	+			
Section Sect																				
Fig. 1.5						16380	13190					_	<u> </u>			2160	0.3	648		
Marcha M													-			100		111		
First Problem								1500	0.75	1125			-	10110		.				
Part																				
Part		LRII-ZN												6840	3960	2016	0.3	604.8		_
Part	<u></u>						 					-	+	 		+				+
Part		TE 2.1	 				 	000	0.70	407		-	+	 		+				+
Mile			 				 					-	+	 		 	1			+
Figure F							 					_	1	 		-				+
Part			+				+						+	 		-				+
Second column 150			+				-					+	+	 		 	1			+
Marity M	<u> </u>	FUU-2.3	+			<u> </u>	+	1400	0.70	980		+	+	+		+	+			+
Marity M		Sub Total Load	32025	10047	10047	71020	60490	18002		1/010	0 0	0	0	22220	12720	15506		4670	0	0
Part				19947	19941	71020	00460	10992		14019	U	U	U	23200	12120	19990		4079	U	U
Part			140033	77/19	77/19	0	0	3700		2775		0	0	23280	12720	3702		1139	0	0
Month Mont			38520	7740	1140		0	3700		2113		U		23230	12120	3132		1130		
Levi			_																	
P S	-	. is sir it is a sir	7.0																	
P S	Level 03	<u> </u>					1						1			1	†			+
U. S. P. S.	2010.00	LP-3S		4294	4294								1							+
\$\frac{9}{2} \text{A} \\ \text{C} \\ \te																				+
\$\text{\$\text{PSSM}\$.} \text{\$\text{PSSM}\$.} \text{\$\text{PSSM}\$						14670	12335	1920	0.75	1440			1			2376	0.3	712.8		+
SP-SPAC Fine												1	1	1						+
S-PN			1										1							1
BC-NIC C																.				
BIT 58																				
R75N														6840	3960					1
Fig. 1.2 Fig. 1.3													1							
F-32																				
FOLIST F		TF-3.1						696	0.70	487										1
FOLS-2 FOLS-2 FOLS-3 F		TF-3.2						696	0.70	487										1
FCU-3.3 FCU-3.5 FCU-		FCU-3.1						1100	0.70	770										
Sub Treat Load 3569 12167 12167 12167 12169 58645 1792 11954 0 0 0 1 1360 720 1024 3607 0 0 0 1 1360 720 1024 3607 0 0 0 1 1360 720 1024 3607 0 0 0 0 1 1360 720 1024 3607 0 0 0 0 1 1360 720 1024 3607 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		FCU-3.2						1100	0.70	770										
Total Floor Load VA		FCU-3.3						1400	0.70	980										
Total Floor Load VA																				
Sub Total Emergency Consect Proce Load VA 1580				12167	12167	67890	58645	15792		11594	0 0	0	0	13680	7920	10024		3007	0	0
Total Emergeny Connected Floor Loady 1360 136			119553																	
Floor Wash Flore Wash Floor Wash Floor Wash Floor Wash Floor Wash Flo		Sub Total Emergency Load		0	0	0	0	0		0		0	0	13680	7920	0		0	0	0
Level 0																				
LP4S		rioor VA/Sq.rt	3.9																	
LP4S	Lovel 04						-						1	 	<u> </u>	-				+
D-AN 9714	Level U4	I P-49	+	4500	4500		 		 			+	+	 		+	+			+
ELP-4S			+				+				-	+	+	 		+	+			+
ELP-4N							1					+	1			1	1			+
RP-45-A RP-45-B RP-45-B RP-4M-A RP-4M-B RP-4M-B RP-4M-B RP-4M-B RP-4M-B RP-4M-C RP-4M-B RP-4M-C RP-4M-B RP-4M-C RP-4M-B RP-4M-C RP-4M-B RP-4M-C RP-4M-B RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-B RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-C RP-4M-B RP-4M-C RP-4M-B RP-4M-B RP-4M-C RP-4M-B RP-4M-C RP-4M-B RP-4M-B RP-4M-C RP-4M-							1						1			1	+			+
RP-48-B 14420 14210 1420				2710	<u> </u>	13790	11805	1920	0.75	1440			+	 		3456	0.3	1036.8		+
RP-4N-A RP-4N-B RP-4N-B RP-4N-B RP-4N-C RP-4N-													+	 						+
RP-4N-B													1	 			+			+
RP-4N-C ERR-4S ERR-4S ERR-4N ERR-4N ERR-4N ERR-4N ERR-4N ERR-4A ERR-4N ERR-4N ERR-4N ERR-4N ERR-4N ERR-4N ERR-4N ERR-4N ERR-4C ERR-4S ERR-4N E			 										1			<u> </u>				+
ERP-4S											+	1	1	1						+
ERP-4N LRIT-4S LRIT-4S LRIT-4N FF-4.1 FF-4.2 FCU-4.1 FCU-4.2 FCU-4.2 Sub Total Load Sub Total Load A 30308 21169 21169 7356 7356 7356 7356 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0							1.00,0					1	1			7.55	1.0			+
RIT-4S							1					1	1			1				+
RIT-4N			1				1	1.55	- · -				1	7650	4680	1				1
TF-4.1 TF-4.2 TF-4.2 FCU-4.1 FCU-4.2 FCU-4.3 Sub Total Load Total Floor Load VA Sub Total Emergency Load Total Floor Load VA Sub Total Emergency Load TF-4.1 TF-4.2 TF-4.2 TF-4.2 TF-4.2 TF-4.3 TF-4.2 TF-4.2 TF-4.3 TF-4.2 TF-4.3 TF-4.4 TF-4.5 TF-4.5 TF-4.5 TF-4.5 TF-4.5 TF-4.6 TF-4.7 TF-4.6 TF-4.7 TF-4.													1			1	1			1
TF-4.2															-		1			1
TF-4.2		TF-4.1						696	0.70	487										1
FCU-4.1 FCU-4.2 FCU-4.3 FCU-4.3 Sub Total Load Total Floor Load VA FCU-5. Sub Total Emergency Load FCU-6.1 FCU-6.1 FCU-6.2 FCU-6.2 FCU-6.3 FCU																	1			1
FCU-4.2 FCU-4.3 Sub Total Floor Load VA Sub Total Emergency Load Sub To													1							1
FCU-4.3 Sub Total Load Total Floor Load VA Sub Total Emergency Load FCU-4.3 FCU													1				1			
Sub Total Load 33308 21169 21169 70770 60385 20706 15279.9 0 0 0 14490 8640 11104 3331.2 0 0 Total Floor Load VA 138239 1386 1386 1386 1386 1386 1386 14490 8640 0 0 0 0 Sub Total Emergency Load 7356 7356 0 0 5114 3836 0 0 14490 8640 0 0 0 0																				1
Total Floor Load VA 138239													1							1
Total Floor Load VA 138239		Sub Total Load	30308	21169	21169	70770	60385	20706		15279.9	0 0	0	0	14490	8640	11104		3331.2	0	0
Sub Total Emergency Load 7356 7356 0 0 5114 3836 0 0 14490 8640 0 0 0 0			_																	
				7356	7356	0	0	5114		3836		0	0	14490	8640	0		0	0	0
			26960																	

						1		struction D									_				
Reg March				Lights											IT Equipment		<u> </u>	-	•	Elevators	Elevators
Record 1998 1999	Level			Connected	Demand	Connected	Demand	Connected	DF	Demand	Connected	Demand	Connected	Demand	Connected	Demand	Connected	DF	Demand	Connected	Demand
Color		Floor VA/sq.ft	4.6																		4
Color	Roof												+				+				+
Section 1992 1509	1 TOOI	LP-R		2999	2999					+			+	<u> </u>					+		+
The Company of the						8640	8640	1000	0.75	750								†			+
MILESTANCE Seal																					1
Modern M		FA CUTOUT P						400	0.75	300											
Met VORCEPORT Runary Met VORCEPORT STREAM																					
March Marc		AHU-1 WORKSPACE N (supply)						64017	0.70	44812											
Mode		AHU-1 WORKSPACE N (return)						33255	0.70	23279											
### ### ### ### ### ### ### ### ### ##																					
Action (Control Statement Age of the Control Statement After Authors)																					
MUST CONFIDENCY MUST CONFI								+		+											
Mod 2004 (1989) Mod 2004 (
A										_											
Abs. Application Applica												1						<u> </u>			+
Mail SAMMAN PRINCIPATION Mail SAMMAN PRINCIP																		<u> </u>			+
Mail Sakhmark (concervence)										_											_
AMUS-CONTENTED Frame																					-
MU CONTENDENCE (recover) which 1		` ,								_											-
All Des CONTESTER (Contemporary wheels)				+	-	-				_			+	-				 			-
SEF-1 of thy greating in marker condition. Assumes APIAs shattown.]	-	` '		+	 	 					1	1	+	 		+	+	+			+
SP-2 (any general ps marked control Assumers AME) substances										-									+		+
SEF-5 (any operation in motive control. Assumers AFMs shubbons)				1	-					<u> </u>	-		+	-		-	+	+	+		-
SEF-5 km/ poperally in marke condition. Assumers, ANIX (a pulsation) C C C C C C C C C					-					U U				-					+		+
Septimonormonormonormonormonormonormonormono				1				+		0	-		+			-	+	+	+		-
Serie Cool goverating in more condition. Assume Artist supdom() C C C C C C C C C										0		1		-				1			-
Set										0								1			+
Fig.										0								+			+
F5.57 F5.5										U											+
Miles Mile										_											-
SF-51 SF-52 SF-5				1								1						1	+		+
S-52 S-52 S-52 S-52 S-54																					+
CT-1 SUPPLY HAT TRACE				1												1			+		+
CTI-SURPLY HEAT TRACE					<u> </u>			-						<u> </u>				†	1		1
CT-1 RELIEVALE NEATTRACE CT-1																	1			+	
CF-1								-													+
CU-5:1																					+
FCU-5.2																					1
Hi-5.1																					+
UH-5.2 UH-5.3 UH-5.3 UH-5.4 UH-5.5 UH-5.5 UH-5.5 UH-5.5 UH-5.5 UH-5.5 UH-5.5 UH-5.5 UH-5.5 UH-5.7 U																					-
UH-5.5								15		0											
UH-5.5		UH-5.3						22	0.00	0											1
UH-5.6 UH-5.7 U		UH-5.4						22	0.00	0											
UH-5.6 UH-5.7 U				<u></u>					0.00	0		<u>L</u> _	<u> </u>	<u> </u>			<u> </u>				
Sub Total Load								15	0.00	0							<u></u>				
Total Floor Load VA Substituting		UH-5.7						15	0.00	0											
Total Floor Load VA Substituting																					
Sub Total Emergency Load				4499	4499	16080	16080	481205.0903		245455.645	0	0	0	0	0	0	0		0	0	0
Total Emergency Connected Floor Load VA 138367 6			501784																		
Total Emergency Connected Floor Load VA 138367 Image: Connected Floor VA Image: Connected Floor Load VA Image: Connected Floor VA Image: Connected Floor Load VA Image: Connected Floor				0	0	7440	7440	130927		300	0		0	0	0	0	0		0	0	0
Miscellaneous Image: Connected Load Area (kVA)		Total Emergency Connected Floor Load VA																			
Site Lighting 5000		Floor VA/sq.ft	57.3																		
Site Lighting 5000											ļ	ļ									
PE-1	Miscellaneous				ļ					1		1						<u> </u>			
PE-2 Image: Control of the		· ·		1	5000	ļ						1	1	ļ		ļ	1	1			
PE-3 Total Connected Load Area (kVA) 152110				-								1	1	1				1		41382	37243
Total Connected Load Area (kVA) 152110 152110		PE-2		1				1		1								1		41382	37243
		PE-3			ļ								1	ļ			1	1		31832	28648
Total Demand Load Area (kVA)		\ /																			
Total Connected Load (kVA) 2186 89 330 1357 123 24 66 83				89		330		1357			123		24		66		83			115	
Total Demand Load (kVA) 1366 94 170 853 80 4 37		` <i>,</i>			94		170			853		80		4		37			25		103
Total Connected Emergency Load (kVA) 314 24 9 150 0 23 59 7				24		9		150			0		23		59		7			41	
Total Demand Emergency Load (kVA) 195 29 9 14 0 4 33					29		9			14		0		4		33			2		103

Total Deliland Emergency Load (KVA)	190	
Power factor	0.88	
Total Connected kVA	2186	
Diversity Factor	0.95	
Demand kVA	1366	
Demand kW	1202	
W/sq.ft	7.9	
Service ampacity @ 480Y/277V	1448	
20% Spare Capacity	1737	