MAIN DISTRIBUTION PANELBOARD SCHEDULE

'MDP'

MAIN BUS: 600A,208Y/120V,3P
MAIN CKT. BRK.: M.L.O.
NEUTRAL: SOLID
AIC SYM: 22000A
LUGS: STANDARD

LOCATION: ELECT. ROOM
STATUS: NEW
ENCLOSURE NEMA TYPE: 1
MOUNTING: FLOOR
FED FROM: NEW UTILITY

CKT. #	CKT. BRK.	LOAD (KVA)	LOAD DESCRIPTION	FEEDER	CKT. #	CKT. BRK.	LOAD (KVA)	LOAD DESCRIPTION	FEEDER
1	225/3	33.27	PANEL 'A'	4#4/0+6G IN 2-1/2" C	2	40/3	6.96	RTU #1	3#8+#10G IN 3/4"C
3					4		-		
5					6		-		
7	225/3	19.00	PANEL 'B'	4#4/0+6G IN 2-1/2" C	8	110/3	16.93	RTU #2	3#1/0+#6G IN 1 1/2"C
9					10		-		
11					12		-		
13	100/3	12.4	PANEL 'K'	4 #1+#6G IN 2"C	14	70/3	14.73	RTU #3	3#3+#8G IN 1 1/4"C
15					16		-		
17					18		-		
19	40/3	6.96	RTU #5	3#8+#10G IN 3/4"C	20	110/3	16.93	RTU #4	3#1/0+#6G IN 1 1/2"C
21		-			22		-		
23		-			24		-		
25	20/2	1.80	KEF#1	2#10+#10G IN 3/4"C	26	100/3	9.79	PANEL 'EL'/ELEV. CCT. BRK.	4 #1+#6G IN 2"C
27					28		-		
29	45/3	8.90	C-1	3#8+#10G IN 3/4"C	30		-		
31		-			32	45/3	8.90	C-2	3#8+#10G IN 3/4"C
33		-			34		-		
35	100/3	7.11	PANEL 'EM'	4#1+#8G IN 1 1/4"C	36		-		
37		-			38	-	-	SPACE	-
39		-			40				
41		-	SPACE	-	42				
		88.59					74.24		

MAXIMUM DEMAND LOAD = 162.83 KVA **OR** 452 AMPS @ 208Y/120V, 3Ø, 4W

B

EMERGENCY PANEL SCHEDULE

'EM'

BUS: 100A,208Y/120V,3Ø,4W
CKT. BKR.: M.L.O.
NEUTRAL: 100% RATED
AIC SYM: 10000A

STATUS: NEW
ENCLOSURE NEMA TYPE: 1

LOCATION: ELECT. ROOM
MOUNTING: SURFACE
FED FROM: SERVICE EQUIP.

LOAD DESCRIPTION	CONDT.	WIRE	LOAD (VA)	C.B.(AMPS) TRIP	C.B.(AMPS) FR.	POLE	CKT. #	PHASE ABC	CKT. #	POLE	C.B.(AMPS) FR.	C.B.(AMPS) TRIP	LOAD (VA)	WIRE	CONDT.	LOAD DESCRIPTION
EMERG. LIGHTS - CORRIDOR, FELLOWSHIP HALL, CLASSRMS.	3/4"	#12	625	20	100	1	1		2	1	100	20	2062	#12	3/4"	LIGHTS - EXTERIOR
EMERG. LIGHTS - CORRIDOR, FELLOWSHIP HALL, CLASSRMS.			750	20		1	3		4	1		20	1437			LIGHTS - EXTERIOR
EMERG. LIGHTS - CORRIDOR, LOBBY, SANCTUARY			550	20		1	5		6	1		20	937			LIGHTS - EXTERIOR
EMERG. LIGHTS - SANCTUARY			250	20		1	7		8	1	-	20	-	-	-	SPARE
SPARE	-	-	-	-	-	1	9		10							
							11		12							
							13		14							
							15		16							
							17		18							
							19		20							
							21		22							
FIRE ALARM CONTROL PANEL	3/4"	#12	500	15	100	1	23		24							
			2675	CONNECTED LOAD									4436			

TOTAL COMPUTED LOAD = 7111 VA
OR 20 AMPS @ 208Y/120V, 3Ø, 4W

KITCHEN PANEL SCHEDULE

'K'

BUS: 100A,208Y/120V,3Ø,4W
CKT. BKR.: 60A W/SHUNT TRIP
NEUTRAL: 100% RATED
AIC SYM: 10000A

STATUS: NEW
ENCLOSURE NEMA TYPE: 1

LOCATION: KITCHEN
MOUNTING: RECESSED
FED FROM: SERVICE EQUIP.

LOAD DESCRIPTION	CONDT.	WIRE	LOAD (VA)	C.B.(AMPS) TRIP	C.B.(AMPS) FR.	POLE	CKT. #	PHASE ABC	CKT. #	POLE	C.B.(AMPS) FR.	C.B.(AMPS) TRIP	LOAD (VA)	WIRE	CONDT.	LOAD DESCRIPTION
HOOD	3/4"	#12	1200	20	100	1	1		2	1	100	20	1800	#12	3/4"	REFRIGERATOR
FREEZER			1800	20		1	3		4	1		20	1800			ICEMAKER
DISHWASHER			1800	20		1	5		6	1		20	1000			FOOD WASTE DISPOSAL
RECEPTS. - KITCHEN			1500	20		1	7		8	1	-	-	-	-	-	SPARE
SPARE	-	-	-	-	-	1	9		10							
							11		12							
							13		14							
							15		16							
							17		18							
							19		20							
							21		22							
							23		24							
			6300	CONNECTED LOAD									6100			

TOTAL COMPUTED LOAD = 12400 VA
OR 35 AMPS @ 208Y/120V, 3Ø, 4W

ELEVATOR PANELBOARD SCHEDULE

'EL'

BUS: 100A,208Y/120V,3Ø,4W
CKT. BKR.: 60A
NEUTRAL: 100%
AIC SYM: 10000A

STATUS: NEW
ENCLOSURE NEMA TYPE: 1

LOCATION: ELEV. RM.
MOUNTING: SURFACE
FED FROM: MDP PANEL

LOAD DESCRIPTION	CONDT.	WIRE	LOAD (VA)	C.B.(AMPS) TRIP	C.B.(AMPS) FR.	POLE	CKT. #	PHASE ABC	CKT. #	POLE	C.B.(AMPS) FR.	C.B.(AMPS) TRIP	LOAD (VA)	WIRE	CONDT.	LOAD DESCRIPTION
LIGHT - ELEV. PIT	3/4"	#12	100	20	100	1	1		2	1		20	500	#12	3/4"	G.F.I. RECEPTS - ELEV. MACH. RM.
LIGHTS - ELEV. MACH. RM.			125	20		1	3		4	1		20	500			G.F.I. RECEPTS - ELEVATOR PIT
CAB LIGHTS + FANS			100	20		1	5		6	1		20	1500			SUMP PUMP - ELEV. PIT
SPARE	-	-	-	20		1	7		8	1		20	960			EXHAUST FAN- MACHINE ROOM
							9		10	1		20	-	-	-	SPARE
							11		12							
			325	CONNECTED LOAD									3640			

TOTAL PANEL LOAD = 3785 VA **OR** 10AMPS @ 208Y/120V, 3Ø, 4W

FLOOR PANEL SCHEDULE

'A'

BUS: 225A,208Y/120V,3Ø,4W
CKT. BKR.: M.L.O.
NEUTRAL: 100% RATED
AIC SYM: 10000A

STATUS: NEW
ENCLOSURE NEMA TYPE: 1

LOCATION: ELECT. ROOM
MOUNTING: SURFACE
FED FROM: MDP PANEL

LOAD DESCRIPTION	CONDT.	WIRE	LOAD (VA)	C.B.(AMPS) TRIP	C.B.(AMPS) FR.	POLE	CKT. #	PHASE ABC	CKT. #	POLE	C.B.(AMPS) FR.	C.B.(AMPS) TRIP	LOAD (VA)	WIRE	CONDT.	LOAD DESCRIPTION
LIGHTS - PASTORS CLERK, MIN. STAFF, WOMEN/MEN	3/4"	#12	1725	20	100	1	1		2	1	100	20	1080	#12	3/4"	RECEPTS.- CHOIR RM./MECH. RM./TOILET/TRUSTEES RM.
LIGHTS - CORRIDOR			350	20		1	3		4	1		20	720			RECEPTS.- SANCTUARY/OUTDOOR GFI/WP
LIGHTS - STORAGE, KITCHEN, PANTRY, HALL			1000	20		1	5		6	1		20	1080			RECEPTS.- SANCTUARY/OUTDOOR GFI/WP
LIGHTS - FELLOWSHIP HALL			1000	20		1	7		8	1		20	900			RECEPTS.- PULPIT/PIANO
LIGHTS - FELLOWSHIP HALL			2125	20		1	9		10	1		20	1260			RECEPTS.- STOR./FELLOWSHIP HALL/ELEC. RM./NURSES
LIGHTS - FELLOWSHIP HALL			1375	20		1	11		12	1		20	900			RECEPTS.- FELLOWSHIP HALL, /PANTRY/CLASSRMS.
LIGHTS - FELLOWSHIP HALL			1125	20		1	13		14	1		20	900			RECEPTS.- CORRIDORS, LOBBY
LIGHTS - FELLOWSHIP HALL			1000	20		1	15		16	1		20	900			RECEPTS.- MINISTERIAL/WOMEN/MEN BATH.
SPARE			-	20		1	17		18	1		20	1260			RECEPTS.- PASTORS OFF., CHURCH CLERK, BATHRM.
LIGHTS - CORRIDOR, LOBBY			900	20		1	19		20	1		20	1260			EF #2/ELECT. ROOM
LIGHTS - SANCTUARY			675	20		1	21		22	1		20	1260			TEF #2
LIGHTS - SANCTUARY			675	20		1	23		24	1		20	1200			JB - EWC
LIGHTS - NURSES/ ELEC./MECH./CHOIR/TOILETTRUSTEES			1000	20		1	25		26	1		20	1800			PRV #1 - ROOF TOP
RECEPTS.- MEDIA RM.			500	20		1	27		28	1		20	1500			RECEPT.- ROOF TOP
RECEPTS.- MEDIA RM.			500	20		1	29		30	1		20	1500			RECEPT.- ROOF TOP
SPARE	-	-	-	-	-	1	31		32	1		20	1800			PRV #2 - ROOF TOP
							33		34							
							35		36							
							37		38							
							39		40							
							41		42							
			13950	CONNECTED LOAD									19320			

TOTAL COMPUTED LOAD = 33270 VA
OR 93AMPS @ 208Y/120V, 3Ø, 4W

FLOOR PANEL SCHEDULE

'B'

BUS: 225A,208Y/120V,3Ø,4W
CKT. BKR.: M.L.O.
NEUTRAL: 100% RATED
AIC SYM: 10000A

STATUS: NEW
ENCLOSURE NEMA TYPE: 1

LOCATION: STORAGE ROOM
MOUNTING: SURFACE
FED FROM: MDP PANEL

LOAD DESCRIPTION	CONDT.	WIRE	LOAD (VA)	C.B.(AMPS) TRIP	C.B.(AMPS) FR.	POLE	CKT. #	PHASE ABC	CKT. #	POLE	C.B.(AMPS) FR.	C.B.(AMPS) TRIP	LOAD (VA)	WIRE	CONDT.	LOAD DESCRIPTION
LIGHTS - CLASSROOMS (B1,B2,B3)	3/4"	#12	1584	20	100	1	1		2	1	100	20	1440	#12	3/4"	RECEPTS.- CLASSROOMS (B1,B2)
LIGHTS - CLASSROOMS (B4,B6)/MECH. ROOM			1320	20		1	3		4	1		20	1440			RECEPTS.- CLASSROOMS (B3,B5)
LIGHTS - OFFICES (B1,B2,B3)			1584	20		1	5		6	1		20	1440			RECEPTS.- CLASSROOMS (B4,B6)
SPARE	-	-	-	20		1	7		8	1		20	900			RECEPTS.- CONFERENCE ROOM (B1)
LIGHTS - CONFERENCE ROOM			1056	20		1	9		10	1		20	1620			RECEPTS.- OFFICES (B1,B2,B3)
LIGHTS - CLASSROOM (B5) /STORAGE			880	20		1	11		12	1		20	540			RECEPTS.- OFFICES (B1,B2,B3)
LIGHTS - CORRIDOR			924	20		1	13		14	1		20	1440			RECEPTS.- CORRIDORS/TOILETS/STORAGE
LIGHTS - CORRIDOR			924	20		1	15		16	1		20	1200			JB - EWC
LIGHTS - WOMEN'STOILET/T.E.F.			1704	20		1	17		18	1		20	500			F-4/F-2
LIGHTS - WOMEN'STOILET/T.E.F.			1704	20		1	19		20	1		20	500			F-3/F-4
SPARE	-	-	-	20		1	21		22	1		20	-	-	-	SPARE
							23		24							
							25		26							
							27		28							
							29		30							
							31		32							
							33		34							
							35		36							
							37		38							
							39		40							
							41		42							
			10976	CONNECTED LOAD									11020			

TOTAL COMPUTED LOAD = 21996 VA
OR 61 AMPS @ 208Y/120V, 3Ø, 4W

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ELECTRICAL SCHEDULES & NOTES

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Date: NOV. 29, 2005
Scale: 1/8"=1'-0"
Drawn: PAL
Checked: C.FORD
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Drawing No.
E-5
- of -