

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
N														
M														
L														
K														
J														
H														
G														
F														
E														
D														
C														
B														
A														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

PANELBOARD:

LOCATION:

MOUNTING:

CP1

ELEC RM

SURFACE

VOLTS, PHASE, WIRE:

MAINS:

SHORT CIRCUIT RATING:

120/208V,3ø,4W.

150A MCB

22,000AAC

CKT	LOAD DESCRIPTION	CONN KVA	WIRE SIZE	CB A-P	PHASE	CB A-P	WIRE SIZE	CONN KVA	LOAD DESCRIPTION	CKT				
1	LIGHTING (FIRST FLOOR)	1.2	12	20/1	A	20/1	12	1.0	LIGHTING (FIRST FLOOR)	2				
3	LIGHTING (FIRST FLOOR)	1.2	12	20/1	B	20/1	12	1.4	LIGHTING (FIRST FLOOR)	4				
4	LIGHTING (FIRST FLOOR)	0.5	12	20/1	C	20/1	12	1.7	LIGHTING (FIRST FLOOR)	6				
7	LIGHTING (SECOND FLOOR)	0.5	12	20/1	A	20/1	12	0.8	LIGHTING (FIRST FLOOR)	8				
9	ENL & EXIT LIGHTING (FIRST FLOOR)	1.0	12	20/1	B	20/1	12	0.8	ENL. & EXIT LIGHTING (SECOND FLOOR)	10				
11	ENL & EXIT LIGHTING (FIRST FLOOR)				C					12				
12	SITE LIGHTING	0.4	12	20/1	A					14				
15	SITE LIGHTING	0.4	12	20/1	B					16				
17	SITE LIGHTING	0.4	12		C					18				
19					A					20				
21					B					22				
23					C					24				
25					A					26				
27					B					28				
29					C					30				
31					A					32				
33					B					34				
35					C					36				
37					A					38				
39					B					40				
41					C					42				
CONNECTED PHASE A:					DIVERSITY FACTOR(%)									
CONNECTED PHASE B:										DESIGN LOAD: (KVA)				
CONNECTED PHASE C:														
TOTAL CONNECTED KVA:														

IPB

ELEC RM

SURFACE

VOLTS, PHASE, WIRE:

MAINS:

SHORT CIRCUIT RATING:

120/208V,3ø,4W.

150A MCB

22,000AAC

CKT	LOAD DESCRIPTION	CONN KVA	WIRE SIZE	CB A-P	PHASE	CB A-P	WIRE SIZE	CONN KVA	LOAD DESCRIPTION	CKT				
1	LIGHTING (FIRST FLOOR)	1.5	12	20/1	A	20/1	12	1.2	LIGHTING (FIRST FLOOR)	2				
3	LIGHTING (FIRST FLOOR)	1.2	12	20/1	B	20/1	12	1.2	LIGHTING (FIRST FLOOR)	4				
5	LIGHTING (FIRST FLOOR)	0.5	12	20/1	C	20/1	12	1.7	LIGHTING (FIRST FLOOR)	6				
7	LIGHTING (SECOND FLOOR)	0.8	12	20/1	A	20/1	12	1.0	LIGHTING (ROOF)	8				
9	LIGHTING (ROOF)	1.1	12	20/1	B					10				
11					C					12				
13					A					14				
15					B					16				
17					C					18				
19					A					20				
21					B					22				
23					C					24				
25					A					26				
27					B					28				
29					C					30				
31					A					32				
33					B					34				
35					C					36				
37					A					38				
39					B					40				
41					C					42				
CONNECTED PHASE A:					DIVERSITY FACTOR(%)									
CONNECTED PHASE B:										DESIGN LOAD: (KVA)				
CONNECTED PHASE C:														
TOTAL CONNECTED KVA:														

IPB

ELEC RM

SURFACE

VOLTS, PHASE, WIRE:

MAINS:

SHORT CIRCUIT RATING:

120/208V,3ø,4W.

150A MCB

22,000AAC

CKT	LOAD DESCRIPTION	CONN KVA	WIRE SIZE	CB A-P	PHASE	CB A-P	WIRE SIZE	CONN KVA	LOAD DESCRIPTION	CKT				
1	GENERAL RECEPTACLE	0.72	12	20/1	A	20/1	12	0.72	GENERAL RECEPTACLE	2				
3	GENERAL RECEPTACLE	0.72	12	20/1	B	20/1	12	0.72	GENERAL RECEPTACLE	4				
5	GENERAL RECEPTACLE	0.72	12	20/1	C	20/1	12	0.72	GENERAL RECEPTACLE	6				
7	GENERAL RECEPTACLE	.072	12	20/1	A	20/1	12	0.54	GENERAL RECEPTACLE	8				
9	GENERAL RECEPTACLE	0.72	12	20/1	B	20/1	12	0.38	GENERAL RECEPTACLE	10				
11	GENERAL RECEPTACLE	0.72	12	20/1	C	20/1	12	0.36	GENERAL RECEPTACLE	12				
13	DDC CONTROL PANEL	1.0	12	20/1	A	20/1	12	1.0	DDC CONTROL PANEL	14				
15	DDC CONTROL PANEL	1.0	12	20/1	B	20/1	12	1.0	DDC CONTROL PANEL	16				
17	DDC CONTROL PANEL	1.0	12	20/1	C	20/1	12	0.72	GENERAL RECEPTACLE	18				
19	GENERAL RECEPTACLE	0.72	12	20/1	A	20/1	12	0.54	GENERAL RECEPTACLE	20				
21	EF-2 MOTORIZED DAMPER				B	20/1	12	1.0	GENERAL RECEPTACLE	22				
23	FM-200 PANEL FOR UPS	1.0	12	20/1	C	20/1	12	1.0	GENERAL RECEPTACLE	24				
25	EPO POWER	1.0	12	20/1	A	20/1	12	1.0	GENERAL RECEPTACLE	26				
27	EF-1				B	20/1	12	0.8	ELECTRIC LOCK, DOORS 102,103,104	28				
29	ELECTRIC LOCK, DOORS 118,119,120	0.8	12	20/1	C					30				
31					A					32				
33					B					34				
35					C					36				
37					A					38				
39					B					40				
41					C					42				
CONNECTED PHASE A:					DIVERSITY FACTOR(%)									
CONNECTED PHASE B:										DESIGN LOAD: (KVA)				
CONNECTED PHASE C:														
TOTAL CONNECTED KVA:														

IPB

ELEC RM

SURFACE

VOLTS, PHASE, WIRE:

MAINS:

SHORT CIRCUIT RATING:

120/208V,3ø,4W.

150A MCB

22,000AAC

CKT	LOAD DESCRIPTION	CONN KVA	WIRE SIZE	CB A-P	PHASE	CB A-P	WIRE SIZE	CONN KVA	LOAD DESCRIPTION	CKT				
1	GENERAL RECEPTACLE	0.72	12	20/1	A	20/1	12	0.72	GENERAL RECEPTACLE	2				
3	GENERAL RECEPTACLE	0.72	12	20/1	B	20/1	12	0.72	GENERAL RECEPTACLE	4				
5	GENERAL RECEPTACLE	0.72	12	20/1	C	20/1	12	0.72	GENERAL RECEPTACLE	6				
7	GENERAL RECEPTACLE	0.54	12	20/1	A	20/1	12	0.54	GENERAL RECEPTACLE	8				
9	GENERAL RECEPTACLE	0.38	12	20/1	B	20/1	12	0.54	GENERAL RECEPTACLE	10				
11	GENERAL RECEPTACLE	0.36	12	20/1	C	20/1	12	0.64	GENERAL RECEPTACLE	12				
13	GENERAL RECEPTACLE	0.18	12	20/1	A	20/1	12	0.72	GENERAL RECEPTACLE	14				
15	GENERAL RECEPTACLE	0.18	12	20/1	B	20/1	12	0.72	GENERAL RECEPTACLE	16				
17	GENERAL RECEPTACLE	0.18	12	20/1	C	20/1	12	0.72	GENERAL RECEPTACLE	18				
19	GENERAL RECEPTACLE	0.54	12	20/1	A	20/1	12	0.54	GENERAL RECEPTACLE	20				
21	ELECTRIC UNIT HEATER EUH-1	2.0	10	30/1	B	30/1	10	2.0	ELECTRIC UNIT HEATER EUH-2	22				
23	GENERAL RECEPTACLE	0.54	12	20/1	C	20/1	12	1.0	LEAK DETECTION CONTROL PNL	24				
25	FIRE ALARM CONTROL PNL	1.0	12		A	20/1	12	1.0	FM-200 PANEL FLOOD SYSTEM	26				
27	ELECTRIC UNIT HEATER EUH-3	2.0	10	30/1	B	20/1	12	0.4	ELECTRIC LOCK, DOORS 103, 112	28				
29					C	20/1				30				
31					A					32				
33					B					34				
35					C					36				
37					A					38				
39					B					40				
41					C					42				
CONNECTED PHASE A:					DIVERSITY FACTOR(%)									
CONNECTED PHASE B:										DESIGN LOAD: (KVA)				
CONNECTED PHASE C:														
TOTAL CONNECTED KVA:														

IPB

ELEC RM

SURFACE

VOLTS, PHASE, WIRE:

MAINS:

SHORT CIRCUIT RATING:

120/208V,3ø,4W.

150A MCB

22,000AAC

CKT	LOAD DESCRIPTION	CONN KVA	WIRE SIZE	CB A-P	PHASE	CB A-P	WIRE SIZE	CONN KVA	LOAD DESCRIPTION	CKT
1	GENERAL RECEPTACLE	0.72	12	20/1	A	20/1	12	0.72	GENERAL RECEPTACLE	2
3	GENERAL RECEPTACLE	0.72	12	20/1	B	20/1	12	0.72	GENERAL RECEPTACLE	4
5	GENERAL RECEPTACLE	0.72	12	20/1	C	20/1	12	0.72	GENERAL RECEPTACLE	6
7	GENERAL RECEPTACLE	0.54	12	20/1	A	20/1	12	0.54	GENERAL RECEPTACLE	8
9	GENERAL RECEPTACLE	0.38	12	20/1	B	20/1	12	0.54	GENERAL RECEPTACLE	10
11	GENERAL RECEPTACLE	0.36	12	20/1	C	20/1	12	0.64	GENERAL RECEPTACLE	12
13	GENERAL RECEPTACLE	0.18	12	20/1	A	20/1	12	0.72	GENERAL RECEPTACLE	14
15	GENERAL RECEPTACLE	0.18	12	20/1	B	20/1	12	0.72	GENERAL RECEPTACLE	16
17	GENERAL RECEPTACLE	0.18	12	20/1	C	20/1	12	0.72	GENERAL RECEPTACLE	18
19	GENERAL RECEPTACLE	0.54	12	20/1	A	20/1	12	0.54	GENERAL RECEPTACLE	20
21	ELECTRIC UNIT HEATER EUH-1	2.0	10	30/1	B	30/1	10	2.0	ELECTRIC UNIT HEATER EUH-2	22
23	GENERAL RECEPTACLE	0.54	12	20/1	C	20/1	12	1.0	LEAK DETECTION CONTROL PNL	24
25	FIRE ALARM CONTROL PNL	1.0	12		A	20/1	12	1.0	FM-200 PANEL FLOOD SYSTEM	26
27	ELECTRIC UNIT HEATER EUH-3	2.0	10	30/1	B	20/1	12	0.4	ELECTRIC LOCK, DOORS 103, 112	28
29					C	20/1				30
31					A					32
33					B					34
35					C					36
37					A					38
39					B					40
41					C					42
CONNECTED PHASE A:										