DESIGNATION:	MDSB (EXISTING)			MOUNTING:	FREE STANDING
SYSTEM:	480Y/277	VOLTS	3Φ, 3 WIRE + GROUND, 60Hz	ENCLOSURE:	
MIN. I. C.:		KA		FEED:	TRANSFORMER
LOCATION:	MAIN CHILLER PLANT ROOM				

CKT. NO.	LOAD DESCRIPTION	CONNECTED LOAD VA	D.F.	AMPERE 3 Φ	ΦAN	ΦBN	ΦCN	OVERCURRENT PROTECTION AT	AF	P	CONDUCTORS CODE	TYPE	RACEWAY CODE	TYPE	REMARKS
1	CHILLER-01														EXISTING
2	CHILLER-02														EXISTING
3	MCC-2A														EXISTING
4	MCC-03	391,847	0.99	491.83	-	-	-	800	800	3	2T17	THWN	2T17	x 100mm METAL WIREWAY	
	TOTAL	391,847	0.80	491.83	-	-	-			0					

DEMAND FACTOR:		MAIN CB:	1600	AT	1600	AF	4	P	400 V
DEMAND VA:		FEEDER:							
	I_T =	AMPS							

DESIGNATION:	MCC-03			MOUNTING:	FREE STANDING
SYSTEM:	480Y/277	VOLTS	3Φ, 3 WIRE + GROUND, 60Hz	ENCLOSURE:	NEMA - 3R
MIN. I. C.:	50	KA		FEED:	MDSB (EXISTING)
LOCATION:	CHILLER PLANT ROOM				

CKT. NO.	LOAD DESCRIPTION	CONNECTED LOAD VA	D.F.	AMPERE 3 Φ	ΦAN	ΦBN	ΦCN	OVERCURRENT PROTECTION AT	AF	P	CONDUCTORS CODE	TYPE	RACEWAY CODE	TYPE	REMARKS
1	CH-03	230,588	1.00	289.42				600	600	3	T17	THWN	T17	EMC	
2	PCWP-03	21,512	1.00	27.00				60	60	3	T3	THWN	T3	EMC	
3	SWCP-02	41,430	1.00	52.00				125	225	3	T6	THWN	T6	EMC	
4	SWCP-01	41,430	1.00	52.00				125	225	3	T6	THWN	T6	EMC	
5	CP-03	27,089	1.00	34.00				70	100	3	T4	THWN	T4	EMC	
6	CT-03	27,089	1.00	34.00				70	100	3	T4	THWN	T4	EMC	
7	SFU	2,709	1.00	3.40				20	60	3	T2	THWN	T2	EMC	
8	SPACE			-					100	3					
	TOTAL	391,847	0.99	491.83	-	-	-			24					

DEMAND FACTOR:	0.99	MAIN CB:	800	AT	800	AF	3	P	480	V			
DEMAND VA:	389,138	FEEDER:											
			CODE:	2T17	TYPE:	THWN		RACEWAY:	300mm x 100mm METAL WIREWAY				
	I_T = 488	AMPS											

1 E3-02 ELECTRICAL LOAD SCHEDULE

NTS

UNITED STATES EMBASSY
MANILA, PHILIPPINES

FACILITIES MANAGEMENT

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SENSITIVE BUT UNCLASSIFIED

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ALFREDO G. RODRIGUEZ
PROFESSIONAL ELECTRICAL ENGINEER

PRC Reg. No: 2633 PTR No: 3178287

Date: JANUARY 04, 2012 Place: MAKATI CITY

APPROVED BY :

DISCIPLINE	INITIAL	SIGNATURE	DATE
SFM	PLS		
DFM	RLW		
CIVIL/STRL			
ELECT'L			
MECH'L			

RevNo	Revision note	Date	Sign.

Project Title

US EMBASSY MAIN CHILLER PLANT ADDITION

Location

ROXAS BOULEVARD, PHILIPPINES

Release For Construction:

FMM FMS

SHEET CONTENT

ELECTRICAL SERVICES
ELECTRICAL LOAD SCHEDULE

Phase

☐ CONCEPT ☐ 35% ☐ 60% ☐ 90% ☒ 100% ☐ FINAL

Date 29OCT12	CADD File Name
Designed JSS	Drawn By JMM
Checked AGR	Drawing Number E3-02
Project Number MP1044	Sheet Number Sheet 5 of 5
Contract No. -	