

DRAWING NOTES:

- ALL ELECTRICAL DISTRIBUTION EQUIPMENT IS TO BE BONDED TO GROUND WITH A DEDICATED GROUNDING CABLE DIRECT TO THE MAIN GROUND. SIZE TO CEC
- ALL EQUIPMENT IS TO BE SPRINKLER PROOF.
- ALL PENETRATIONS THROUGH RATED AREAS IS TO BE SEALED WITH A ULC LISTED FIRE STOP SYSTEM.

PANEL	CIRCUIT	LINE VOLTAGE	PHASE	WIRE	MAIN BUS	MAIN BREAKER	ICR	MOUNTING	LOCATION	FEEDER
EU	60	120V/208V	3	4	225A	-	25KA	SURFACE	REFER TO DRAWING	REFER TO SINGLE LINE

NOTE: * PROVIDE RED BREAKER

NOTE: ALL CIRCUITS TO COMPUTER OR OTHER SENSITIVE EQUIPMENT TO A DEDICATED NEUTRAL CABLES.

LOADS (kVA)			DESCRIPTION	POLE	AMP	CCT	A	B	C	CCT	AMP	POLE	DESCRIPTION	LOADS (kVA)		
A	B	C												A	B	C
X			DISPATCH REC.	1	15	1				2	15	1	DISPATCH REC.	X		
	X		DISPATCH REC.	1	15	3				4	15	1	DISPATCH REC.		X	
		X	DISPATCH REC.	1	15	5				6	15	1	DISPATCH REC.			X
X			DISPATCH REC.	1	15	7				8	15	1	DISPATCH REC.	X		
	X		DISPATCH REC.	1	15	9				10	15	1	DISPATCH REC.		X	
		X	DISPATCH REC.	1	15	11				12	15	1	DISPATCH REC.			X
X			TRANSFER COORD.	1	15	13				14	15	1	TRANSFER COORD.	X		
	X		TRANSFER COORD.	1	15	15				16	15	1	SUPERVISOR		X	
		X	SUPERVISOR	1	15	17				18	15	1	SUPERVISOR			X
X			SPARE	1	15	19				20	15	1	SPARE	X		
	X		SPARE	1	15	21				22	15	1	CALL TAKING		X	
		X	CALL TAKING	1	15	23				24	15	1	CALL TAKING			X
X			CALL TAKING	1	15	25				26	15	1	CALL TAKING	X		
	X		CALL TAKING	1	15	27				28	15	1	CALL TAKING		X	
		X	CALL TAKING	1	15	29				30	15	1	CALL TAKING			X
X			CALL TAKING	1	15	31				32	15	1	CALL TAKING	X		
	X		CALL TAKING	1	15	33				34	15	1	COPIER		X	
		X	OFFICE	1	15	35				36	15	1	OFFICE			X
X			TELEPHONE BACKBOARD	1	15	37				38	20	1	LAN RACK	X		
	X		LAN RACK	1	20	39				40	20	1	LAN RACK		X	
		X	FUTURE MONITORS	1	15	41				42	15	1	LAN REC			X
X			FIRE ALARM PANEL *	1	15	43				44	15	1	LAN REC	X		
	X		LAN REC.	1	15	45				46	15	1	SPARE		X	
		X	LAN REC.	1	15	47				48	15	1	SPARE			X
X			SPARE	1	15	49				50	15	1	SPARE	X		
	X		SPARE	1	15	51				52	15	1	SPARE		X	
		X	SPARE	1	15	53				54	15	1	RADIO RACK(PENTHOUSE)			X
X			SPARE	1	15	55				56	15	1	RADIO RACK(PENTHOUSE)	X		
	X		SPARE	1	15	57				58	15	1	RADIO RACK(PENTHOUSE)		X	
		X	SPARE	1	15	59				60	15	1	RADIO RACK(PENTHOUSE)			X

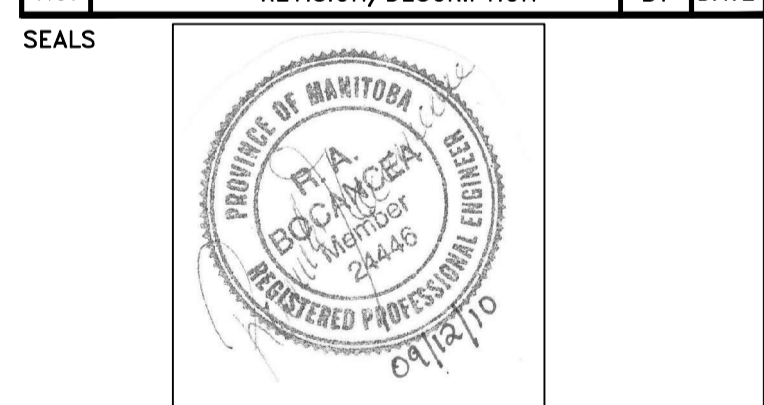


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EN	60	120V/208V	3	4	225A	-	25KA	SURFACE	REFER TO DRAWING	REFER TO SINGLE LINE

NOTE: * PROVIDE LOCK OFF

LOADS (kVA)			DESCRIPTION	POLE	AMP	CCT	A	B	C	CCT	AMP	POLE	DESCRIPTION	LOADS (kVA)		
A	B	C												A	B	C
X			EXIT/EMERGENCY LIGHTING *	1	15	1				2	15	1	LIGHTING A1	X		
	X		LIGHTING A2	1	15	3				4	15	1	LIGHTING A2		X	
		X	SPARE	1	15	5				6	15	1	SPARE			X
X			SPARE	1	15	7				8	15	1	RECEPTACLE	X		
	X		RECEPTACLE	1	15	9				10	15	1	FRIDGE		X	
		X	DISHWASHER	1	15	11				12	15	1	COFFEE MAKER			X
X			HANDI-CAP DOOR OPERATORS	1	15	13				14	15	1	WATER COOLER	X		
	X		MICROWAVE	1	15	15				16	15	1	SPARE		X	
		X	SPARE	1	15	17				18	30	2	BBH-1 (x4)			X
X			BBH-2,3	2	30	19				20	30		BBH-1 (x4)	X		
	X		BBH-2,3			30	21			22	20	2	HWT -2		X	
		X	HWT - 1	2	20	23				24	20		HWT -2			X
X			HWT - 1			20	25			26	60	2	DH - 2	X		
	X		DH - 2	2	50	27				28	60		DH - 2		X	
		X	DH - 2			60	29			30	15	1	P - 1, P - 2,			X
X			F - 1, EF - 2, EF - 2	1	15	31				32	15	1	F - 2, EF - 3	X		
	X		AC - 1	2	15	33				34	30	2	CU - 1		X	
		X	AC - 1			15	35			36	30		CU - 1			X
X			AC - 2	2	15	37				38	40	2	CU - 2	X		
	X		AC - 2			15	39			40	40		CU - 2		X	
		X	SPARE	2	40	41				42	15	1	RECEPTACLE			X
X			PORT AC UNIT	1	15	43				44	15	2	FF-1	X		
	X		PORT AC UNIT	1	15	45				46	15		FF-1		X	
		X	SPARE	1	15	47				48	15	1	SPARE			X
X			SPARE	1	15	49				50	15	1	SPARE	X		
	X		SPARE	1	15	51				52	15	1	SPARE		X	
		X	SPARE	1	15	53				54	15	1	SPARE			X
X			SPARE	1	15	55				56	15	1	SPARE	X		
	X		SPARE	1	15	57				58	15	1	SPARE		X	
		X	SPARE	1	15	59				60	15	1	SPARE			X

ISSUED FOR TENDER KO 12/10



DRAWN BY KOLO
DATE 2010.12.09

CHECKED BY USER APPROVAL

APPROVED

CITY OF WINNIPEG
PLANNING, PROPERTY AND
DEVELOPMENT DEPARTMENT
CIVIC ACCOMMODATIONS DIVISION
300 - 65 GARRY ST. R3C 4K4

PROJECT
MANDARIN BUILDING
ALTERNATE EMERGENCY
COMMUNICATION CENTRE DESIGN
185 KING STREET

SHEET TITLE
ELECTRICAL
SINGLE LINE DIAGRAM

SCALE AS SHOWN
PROJECT NO. 2008-095-02
SHEET NO. E-5