

E-HOUSE CABLE SCHEDULE

ENGINEERING SEAL



APEGA PERMIT: P12863

chemco
Engineering Ltd.

REV	DATE	DESCRIPTION	BY	CHK	APP
1	2/8/2022	ISSUED FOR CONSTRUCTION	CM	JK	JK
0	11/19/2021	ISSUED FOR CONSTRUCTION	CM	JK	JK
A	8/30/2021	ISSUED FOR QUOTE	CM		
		DOCUMENT TITLE	DOCUMENT NO.		REV
		E-HOUSE CABLE SCHEDULE	24.0157.001.01.033.0002		1

E-HOUSE CABLE SCHEDULE														NOTES:
CABLE TAG	FROM EQUIPMENT TAG	FROM EQUIPMENT DESCRIPTION	TO EQUIPMENT TAG	TO EQUIPMENT DESCRIPTION	INSULATION VOLTAGE RATING (V)	CABLE SIZE	CABLE TYPE	MIN BENDING RADIUS (mm)	FROM SIDE GLAND	TO SIDE GLAND	Length (m)	ROUTING	COMMENTS	REV
MCC01-P1	SPLT-01	E-HOUSE BUS GUTTER	MCC-01	480V MCC	2000	1C40	DLO	170	NON-HAZ	NON-HAZ	7.5	CABLE TRAY		0
MCC01-P2	SPLT-01	E-HOUSE BUS GUTTER	MCC-01	480V MCC	2000	1C40	DLO	170	NON-HAZ	NON-HAZ	7.5	CABLE TRAY		0
MCC01-P3	SPLT-01	E-HOUSE BUS GUTTER	MCC-01	480V MCC	2000	1C40	DLO	170	NON-HAZ	NON-HAZ	7.5	CABLE TRAY		0
MCC01-P4	SPLT-01	E-HOUSE BUS GUTTER	MCC-01	480V MCC	2000	1C40	DLO	170	NON-HAZ	NON-HAZ	7.5	CABLE TRAY		0
MCC01-P5	SPLT-01	E-HOUSE BUS GUTTER	MCC-01	480V MCC	2000	1C40	DLO	170	NON-HAZ	NON-HAZ	7.5	CABLE TRAY		0
MCC01-P6	SPLT-01	E-HOUSE BUS GUTTER	MCC-01	480V MCC	2000	1C40	DLO	170	NON-HAZ	NON-HAZ	7.5	CABLE TRAY		0
TX01-P	MCC-01	480V MCC	TX-01	112.5KVA DRY TYPE TRANSFORMER	1000	3C20	TECK	270	NON-HAZ	NON-HAZ	10	CABLE TRAY		0
PNL-A	TX-01	112.5KVA DRY TYPE TRANSFORMER	PNL A	208V PANEL	1000	4C250	TECK	330	NON-HAZ	NON-HAZ	7	CABLE TRAY	7m is maximum cable length	0
PNL-B	TX-01	112.5KVA DRY TYPE TRANSFORMER	PNL B	208V PANEL	1000	4C250	TECK	330	NON-HAZ	NON-HAZ	7	CABLE TRAY	7m is maximum cable length	0
PNL-C3-P1	PNL B	208V PANEL	PNL C3	LIGHTING CONTACTOR PANEL	600	25C#10	TECK	220	NON-HAZ	NON-HAZ	10	CABLE TRAY		0
PNL-C3-P2	PNL A	208V PANEL	PNL C3	LIGHTING CONTACTOR PANEL	600	40C#10	TECK	250	NON-HAZ	NON-HAZ	10	CABLE TRAY		0
PNL-C3-C1	PNL C3	PHOTO CELL	PNL C3	LIGHTING CONTACTOR PANEL	600	3C#14	TECK	120	NON-HAZ	NON-HAZ	10	CABLE TRAY		0
PNL-C1-P1	PNL C3	LIGHTING CONTACTOR PANEL	PNL C1	1PH CONTACTOR PANEL	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	15	CABLE TRAY		0
PNL-C1-P2	PNL A	208V PANEL	PNL C1	1PH CONTACTOR PANEL	600	30C#12	TECK	230	NON-HAZ	NON-HAZ	20	CABLE TRAY		0
PNL-C2-P1	PNL C1	1PH CONTACTOR PANEL	PNL C2	1PH CONTACTOR PANEL	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	5	CABLE TRAY		0
PNL-C2-P2	PNL B	208V PANEL	PNL C2	1PH CONTACTOR PANEL	600	12C#12	TECK	170	NON-HAZ	NON-HAZ	20	CABLE TRAY		0
CHGR01-P1	PNL B	208V PANEL	CHGR-01	BATTERY CHARGER	1000	2C#6	TECK	140	NON-HAZ	NON-HAZ	10	CABLE TRAY		0
CHGR01-C1	PLC-01	PLC	CHGR-01	BATTERY CHARGER	600	8C#14	TECK	135	NON-HAZ	NON-HAZ	25	CABLE TRAY		0
BATT-P1	CHGR-01	BATTERY CHARGER	BATT-01	24V BATTERIES	2000	1C10	DLO	110	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
BATT-P2	CHGR-01	BATTERY CHARGER	BATT-01	24V BATTERIES	2000	1C10	DLO	110	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
AE530FLT01-P	MCC-01	480V MCC	AE530-FILT01	LINE FILTER FOR AE530-VFD	1000	3C#12	TECK	125	NON-HAZ	NON-HAZ	20	CABLE TRAY		0
AE530VFD-C1	AE530-FILT01	LINE FILTER FOR AE530-VFD	AE530-VFD	480V VFD FOR AE-530	1000	3C#12	TECK	125	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
AE530FLT02-P	MCC-01	480V MCC	AE530-FILT02	LOAD FILTER FOR AE530-VFD	1000	3C#12	TECK	125	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
E400VFLT01-P	MCC-01	480V MCC	E400-FILT01	LINE FILTER FOR E400-VFD	1000	3C#12	TECK	125	NON-HAZ	NON-HAZ	20	CABLE TRAY		0
E400VFD-P	E400-FILT01	LINE FILTER FOR E400-VFD	E400-VFD	480V VFD FOR E-400	600	3C#12	TECK	110	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
E400FLT02-P	MCC-01	480V MCC	E400-FILT02	LOAD FILTER FOR E400-VFD	600	3C#12	TECK	110	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
E410FLT01-P	MCC-01	480V MCC	E410-FILT01	LINE FILTER FOR E410-VFD	600	3C#12	TECK	110	NON-HAZ	NON-HAZ	20	CABLE TRAY		0
E410VFD-P	E410-FILT01	LINE FILTER FOR E410-VFD	E410-VFD	480V VFD FOR E-410	600	3C#12	TECK	110	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
E410FLT02-P	MCC-01	480V MCC	E410-FILT02	LOAD SIDE FILTER FOR E410-VFD	600	3C#12	TECK	110	NON-HAZ	NON-HAZ	3	CABLE TRAY		0
CS20VFD-P	MCC-01	480V MCC	CS20-VFD	480V VFD FOR C-520	600	3C#1	TECK	175	NON-HAZ	NON-HAZ	20	CABLE TRAY		0
PLC-P	CHGR-01	BATTERY CHARGER	PLC-01	PLC	600	2C#4	TECK	140	NON-HAZ	NON-HAZ	25	CABLE TRAY		0
MCC01-C1	PLC-01	PLC	MCC-01	480V MCC SECTION F2	600	25C#14	TECK	200	NON-HAZ	NON-HAZ	15	CABLE TRAY		0
MCC01-C2	PLC-01	PLC	MCC-01	480V MCC SECTION F3	600	25C#14	TECK	200	NON-HAZ	NON-HAZ	15	CABLE TRAY		0
MCC01-C3	PLC-01	PLC	MCC-01	480V MCC SECTION F4	600	25C#14	TECK	200	NON-HAZ	NON-HAZ	15	CABLE TRAY		0
MCC01-C4	PLC-01	PLC	MCC-01	480V MCC SECTION F7	600	25C#14	TECK	200	NON-HAZ	NON-HAZ	15	CABLE TRAY		0
MCC01-C5	PLC-01	PLC	MCC-01	480V MCC SECTION F8	600	25C#14	TECK	200	NON-HAZ	NON-HAZ	15	CABLE TRAY		0
AE530VFD-C1	PLC-01	PLC	AE530-VFD	480V VFD FOR AE-530	600	2C#14	TECK	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
AE530VFD-C2	PLC-01	PLC	AE530-VFD	480V VFD FOR AE-530	300	2PR#16	ACIC	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
E400VFD-C1	PLC-01	PLC	E400-VFD	480V VFD FOR E-400	600	2C#14	TECK	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
E400VFD-C2	PLC-01	PLC	E400-VFD	480V VFD FOR E-400	300	2PR#16	ACIC	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
E410VFD-C1	PLC-01	PLC	E410-VFD	480V VFD FOR E410	600	2C#14	TECK	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
E410VFD-C2	PLC-01	PLC	E410-VFD	480V VFD FOR E410	300	2PR#16	ACIC	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
CS20VFD-C1	PLC-01	PLC	CS20-VFD	480V VFD FOR C-520	600	2C#14	TECK	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
CS20VFD-C2	PLC-01	PLC	CS20-VFD	480V VFD FOR C-520	300	2PR#16	ACIC	105	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
PNL-B CCT 73	PNL B	208V PANEL		MANDOOR LIGHTS AND EXIT LIGHTS	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	40	CABLE TRAY		0
PNL-B CCT 75	PNL B	208V PANEL		E-HOUSE FLOOD LIGHTS	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	50	CABLE TRAY		0
PNL-B CCT 81	PNL B	208V PANEL		E-HOUSE INTERIOR LIGHTS	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	50	CABLE TRAY, FIELD RUN		0
PNL-B CCT 83	PNL B	208V PANEL		E-HOUSE RECEPTACLES	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	50	CABLE TRAY		0
PNL-B CCT 85,87,89	PNL B	208V PANEL		BASEBOARD HEATER #1	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	40	CABLE TRAY		0
PNL-B CCT 86,88,90	PNL B	208V PANEL		BASEBOARD HEATER #2	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	30	CABLE TRAY		0
PNL-B CCT 71	PNL B	208V PANEL	SMK-01	E-HOUSE SMOKE DETECTOR	600	2C#12	TECK	110	NON-HAZ	NON-HAZ	10	CABLE TRAY, FIELD RUN		0
SMK01-C1	PNL B	E-HOUSE SMOKE DETECTOR	PLC-01	PLC	600	25C#14	TECK	155	NON-HAZ	NON-HAZ	15	CABLE TRAY, FIELD RUN		0
PNL-C1-C1	PLC-01	PLC	PNL C1	1PH CONTACTOR PANEL	600	10C#14	TECK	155	NON-HAZ	NON-HAZ	20	CABLE TRAY, FIELD RUN		1
PNL-C2-C1	PLC-01	PLC	PNL C2	1PH CONTACTOR PANEL	600	6C#14	TECK	130	NON-HAZ	NON-HAZ	20	CABLE TRAY, FIELD RUN		1
		E-HOUSE GROUND LOOP			1000	1C20	GREEN	100	N/A	N/A	35	CABLE TRAY	GROUND CABLE RUN IN CABLE TRAY LOOP	0
	PLC-01	PLC		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	MCC-01	480V MCC		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	MCC-01	480V MCC		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	TX-01	112.5KVA DRY TYPE TRANSFORMER		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	PNL 1	208V PANEL		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	PNL 2	208V PANEL		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	CONT. 1	1PH CONTACTOR PANEL		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	CONT. 2	1PH CONTACTOR PANEL		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	LGT. CONT. PNL	LIGHTING CONTACTOR PANEL		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
	BAT. CHG.	BATTERY CHARGER		E-HOUSE GROUND LOOP	1000	1C#2	GREEN	80	N/A	N/A	3	CABLE TRAY		0
		E-HOUSE GROUND LOOP		E-HOUSE GROUND PAD	1000	1C20	GREEN	100	N/A	N/A	5	CABLE TRAY		0