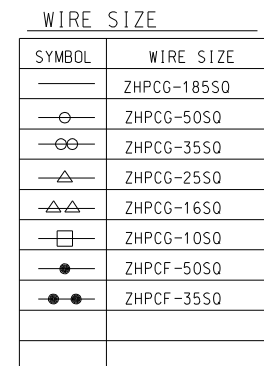


DESIGNED BY	NIL
DRAWN BY	SRD
CHECKED BY	K. Y. CHEUNG
IN CHARGE	C. C. HON
DATE	26 JAN 2007



MANUFACTURER MITSUBISHI ELECTRIC CORPORATION		MANUFACTURER'S DRAWING No. H1H4865F			
TITLE SP1900 ELECTRIC MULTIPLE UNITS ELECTRICAL SCHEMATIC SCHEMATIC DIAGRAM OF POWER CIRCUIT	SCALE				
	NTS @ A1				
	ORIGINATOR MITSUBISHI	ORIGINATOR REFERENCE H1H4865F			ORIG REF REV 0
	DRAWING NUMBER SP1900AB/XG/RR/D5000				REV 0
RAILWAY		LOCATION	STAGE	SHEET NO	
ER		HTL	Z	1	



A	: Maximum current
A	: Rated current

NOTE1:Input wire number of C1 should be read in a different number because converter-inverter box C11,C12 are symmetrical.
for those wires, "double ring mark"numbering should be applied.

NOTE2:Car wiring of wire No. 511,512,513 and 500 between C1 box and IM junction box should be wired in parallel
with one another. (wire No. 531,532,533 and 500 is same way.)
Those four wires should be in a pipe or a duct. (pipe or duct thickness : 3mm more than)

NOTE3:Between IM lead cable should be wired together with three cables.

NOTE4:Car wiring between C1 box and MTR should be in a pipe or a duct per winding.

NOTE5:Car wiring between MTR and insulated terminal block , between C1 and insulated terminal block,
and between insulated terminal blocks should be in a pipe or a duct.

NOTE6:All pipes and ducts should be connected to the car body.

NOTE7:Car wiring between insulated terminal blocks or between insulated terminal block and GB should be same length.

NOTE8:Car wiring for power circuit and control circuit(PG signal etc) should be wired separately each other.

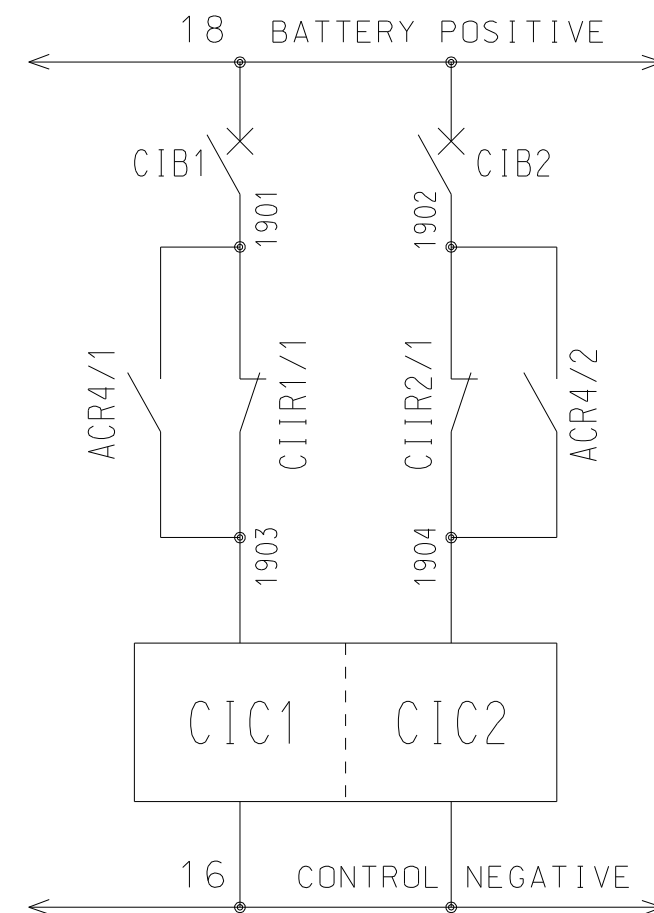
NOTE9:C1 box should be connected to body at different two points.

[illegible]

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TITLE	SP1900 ELECTRIC MULTIPLE UNITS ELECTRICAL SCHEMATIC			SCALE NTS @ A1	
	ORIGINATOR MITSUBISHI	ORIGINATOR REFERENCE H1J2043G		ORIG REF REV 0	
	DRAWING NUMBER SP1900AB/XG/RR/D5001			REV 0	
	WIRING DIAGRAM OF POWER CIRCUIT				
	RAILWAY ER	LOCATION HTL	STAGE Z	SHEET NO 1	



ACR4	AUXILIARY CONTROL RELAY
CIIR	C/I ISOLATE RELAY
CIC	C/I CONTROLLER (MELCO)

KCRC	WR	PM2	A	*	B90
KCRC	WR	MHW	A	*	B90
KCRC	WR	MW2	A	*	B90
KCRC	WR	PM1	A	*	B90
KCRC	ER	M	A	*	B90
KCRC	ER	PM1	A	*	B90
KCRC	ER	PM2	A	*	B90
KCRC	ER	MWH	A	*	B90
KCRC	ER	PMH	A	*	B90
KCRC	ER	MW2	A	*	B90
APPLIED CAR CAR TYPE GROUP PES/CAR					B90

[illegible]

DESIGNED BY	NIL
DRAWN BY	SRD
CHECKED BY	K. Y. CHEUNG
IN CHARGE	C. C. HON
DATE	26 JAN 2007



TITLE	SP1900 ELECTRIC MULTIPLE UNITS ELECTRICAL SCHEMATIC C/I ENERGY SAVING CONTROL CIRCUIT
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SCALE		NTS @ A1	
ORIGINATOR KS	ORIGINATOR REFERENCE 2-UB03226	ORIG REF G	
DRAWING NUMBER SP1900AB/XG/RR/D5015			REV 0
RAILWAY ER	LOCATION HTL	STAGE Z	SHEET NO 1