

CHITRASANI

WESTRACE MkII INTERFACE CIRCUITS

SIEMENS

Siemens Rail Automation Pvt. Ltd.
Plot No.31(P1), Semicon Park Tower - 2
Ground Floor, Electronic City Phase - II
Bangalore - 560100. Karnataka, India
Tel: +91-80-61787900 Fax: +91-80-61787953

					
1.0	12/07/2021	RD	CS	SJ	MODIFIED AS PER SIP SI-1805/4/A
REV	DATE	DESIGNED	CHECKED	APPROVED	DESCRIPTION

M/s.RYATUS PROINFRA
704, BALAJI TOWER I, SECTOR 5
VIDHYADHAR NAGAR
JAIPUR - 302039,
RAJASTHAN
Contact No: +91 95497 99007
+91 141 2339705
E Mail : ryatusproinfra@gmail.com

TITLE:	
COVER-SHEET	
INTERFACE CIRCUIT	

		(DY.CSTE/D&D) FOR P.CSTE	APPD.
		SSTE/D&D	CHD
		ASTE/D&D	CHD
		SSE/SIG	CHD
BASED ON SIGNALLING PLAN NUMBER			

IFC NO - 1805/4/A			
CHITRASANI (AJMER-DIVISION) NORTH WESTERN RAILWAY			
		SHT.	CON.
SG(SP) 1805/4/A		0000	0001

	WESTRACE Mk2									
	HOUSING - 1									
SHEET NO	0186	0185	0184	0183	0182	0181				
ROM NO	ROM6	ROM5	ROM4	ROM3	ROM2	ROM1				
MODULE SEQ NO:	6	5	4	3	2	1				
POSITION	F-SLOT-10	F-SLOT-9	F-SLOT-8	F-SLOT-7	F-SLOT-6	F-SLOT-5	F-SLOT-4	F-SLOT-3	F-SLOT-2	F-SLOT-1
BIT 1	115_116RWCPR	115_116NWCPR	105_106RWCPR	103_104NWCPR	101_102RWCPR	101_102NWCPR	S P A R E	S P A R E	P M 2	P M 1
BIT 2	115_116RWR	115_116NWR	105_106RWR	103_104NWR	101_102RWR	101_102NWR				
BIT 3	119_120RWCPR	119_120NWCPR	S5AUHR	S12HR	103_104RWCPR	105_106NWCPR				
BIT 4	119_120RWR	119_120NWR	S2DR	SH14HR	103_104RWR	105_106NWR				
BIT 5	SH44HR	S46BUHR S46DR	CH1ZYR	C05HR	S5HR	S5DR				
BIT 6	S37HR	S46HR	CH2ZYR	DID_HHR	S5BUHR	S12DR				
BIT 7	UD_HHR UID_HHR	CH9ZYR	SPARE	CH3ZYR	S14HR	SH7HR				
BIT 8	S49DR	SPARE UID_DR	SPARE	DD_DR	SH12HR	DID_DR				
BIT 9										
BIT 10										
BIT 11										
BIT 12										

	WESTRACE Mk2									
	HOUSING - 2									
SHEET NO	0320	0319	0318	0317	0316	0315	0314	0313	0312	0311
PIM NO	PIM10	PIM9	PIM8	PIM7	PIM6	PIM5	PIM4	PIM3	PIM2	PIM1
MODULE SEQ NO:	16	15	14	13	12	11	10	9	8	7
POSITION	G-SLOT-10	G-SLOT-9	G-SLOT-8	G-SLOT-7	G-SLOT-6	G-SLOT-5	G-SLOT-4	G-SLOT-3	G-SLOT-2	G-SLOT-1
BIT 1	01A_B_CTPR	C5TPR	117_118RWKR	117_118NWKR	115_116RWKR	115_116NWKR	105_106RWKR	103_104NWKR	101_102RWKR	101_102NWKR
BIT 2	02A_B_CTPR	5TPR	117_118RWR_IN	117_118NWR_IN	115_116RWR_IN	115_116NWR_IN	105_106RWR_IN	103_104NWR_IN	101_102RWR_IN	101_102NWR_IN
BIT 3	03A_B_CTPR	2TPR	S33HECR	S39DECR	119_120RWKR	119_120NWKR	DSH18_ONECR	S12HECR	103_104RWKR	105_106NWKR
BIT 4	04A_B_CTPR	12TPR	S33RECR	S39HECR	119_120RWR_IN	119_120NWR_IN	S2DECR	SH14_OFFECR	103_104RWR_IN	105_106NWR_IN
BIT 5	2TSR	101TPR	SH37_OFFECR	S39RECR	SH44_ONECR	SPARE S46DECR	S2RECR	C05HECR	S5HECR	S5DECR
BIT 6	2LCPR	102TPR	SH39_OFFECR	SH33_OFFECR	SH44_OFFECR	S46HECR	101_102W_F	CH1ZPR	S5RECR	S12DECR
BIT 7	SPARE	103TPR	CH8ZPR	S46UECR	S37HECR	S46RECR	103_104W_F	CH2ZPR	S5UECR	S12RECR
BIT 8	2A/BVPR	104TPR	CH9ZPR	C046HECR	S37RECR	SH35_ONECR	105_106W_F	CH3ZPR	S14HECR	SH7_ONECR
BIT 9	120TPR	105TPR	CH10ZPR	115_116W_F	S49DECR	SH35_OFFECR	CH1_F	RRCLOSE	S14RECR	SH7_OFFECR
BIT 10	46/49TPR 49TPR	106TPR	119_120W_F	117_118W_F	S49RECR	SPARE UID_DECR	CH2_F	DD_DECR	SH12_OFFECR	DID_DECR
BIT 11	39TPR	5A/BVPR	CH8_F	SPARE UD_DECR	CH10_F	UD_HHECR UID_HHECR	CH3_F	DD_HHECR	DSH16_ONECR	DID_HHECR
BIT 12	C46TPR	S2_UMLR_F	CH9_F	SPARE UD_HHECR	SPARE UD_HECR	UD_HECR UID_HECR	SPARE	DD_HECR	SPARE	DID_HECR

NOTE
RED :-ADDITION
GREEN :-DELETION

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TITLE:

WESTRACE
I/O BIT CHART-VITAL

INTERFACE CIRCUIT

(DY.CSTE/D&D)
FOR P.CSTE

SSTE/D&D

ASTE/D&D

SSE/SIG

APPD.

CHD

CHD

CHD

IFC NO - 1805/4/A

CHITRASANI
(AJMER-DIVISION)
NORTH WESTERN RAILWAY

SG(SP) 1805/4/A

SHT.

CON.

0116

0117

	WESTRACE Mk2									
	HOUSING - 3									
SHEET NO							0190	0189	0188	0187
ROM NO							ROM10	ROM9	ROM8	ROM7
MODULE SEQ NO:							20	19	18	17
POSITION	H-SLOT-10	H-SLOT-9	H-SLOT-8	H-SLOT-7	H-SLOT-6	H-SLOT-5	H-SLOT-4	H-SLOT-3	H-SLOT-2	H-SLOT-1
BIT 1	S P A R E	S P A R E	S P A R E	S P A R E	S P A R E	S P A R E	46TAR S46ASR	S5ASR	117_118RWCPR	117_118NWCPR
BIT 2							49SNR 46TSR	5TSR	117_118RWR	117_118NWR
BIT 3							SPARE S49_DMLR	S2_UMLR	S33HR	S39DR
BIT 4							46TARBELL S46_C046UCR	S5_C05UCR	SH37HR	S39HR
BIT 5							COGGBCNT	RRBUCNT	SH39HR	C046HR
BIT 6							COCYZCNT	ERRBCNT	CH8ZYR	SH35HR
BIT 7							ECHYZCNT	EBPUCNT	S46AUHR	SH33HR
BIT 8							SYSON	VDU_FAIL	CH10ZYR	SPARE UD_DR
BIT 9										
BIT 10										
BIT 11										
BIT 12										

	WESTRACE Mk2									
	HOUSING - 4									
SHEET NO									0322	0321
PIM NO									PIM12	PIM11
MODULE SEQ NO:									22	21
POSITION	J-SLOT-10	J-SLOT-9	J-SLOT-8	J-SLOT-7	J-SLOT-6	J-SLOT-5	J-SLOT-4	J-SLOT-3	J-SLOT-2	J-SLOT-1
BIT 1	S P A R E	S P A R E	S P A R E	S P A R E	S P A R E	S P A R E	S P A R E	S P A R E	W_SW_A_OK	115TPR
BIT 2									W_SW_B_OK	116TPR
BIT 3									SMR_SW_A_OK	117TPR
BIT 4									SMR_SW_B_OK	118TPR
BIT 5									49SNR_F 49TSR	119TPR
BIT 6									49ASCR 49LCPR	SPARE 46TPR
BIT 7									ECH_SMKEY	SMKEY
BIT 8									49A/BVPR	RRBUR
BIT 9									46TARBELL_FS49_DMLR_F	SPARE 46A/BVPR
BIT 10									49ZR SPARE	ECHRBPR
BIT 11									49RSTPR SPARE	24V_DC_OK
BIT 12									SPARE	50V_DC_OK

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TITLE:

WESTRACE
I/O BIT CHART-VITAL

INTERFACE CIRCUIT

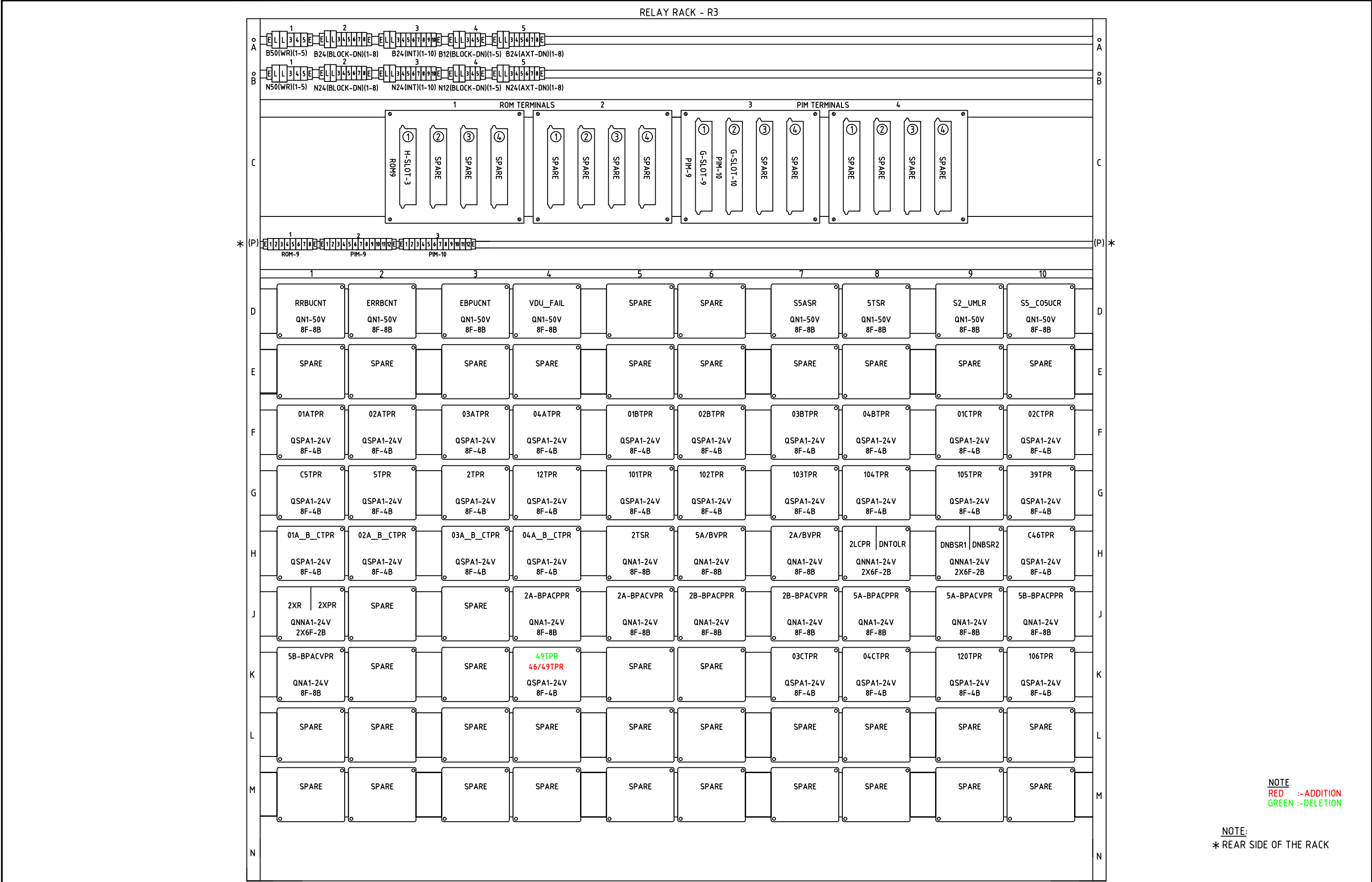
		(DY.CSTE/D&D) FOR P.CSTE	APPD.
		SSTE/D&D	CHD
		ASTE/D&D	CHD
		SSE/SIG	CHD

IFC NO - 1805/4/A

CHITRASANI
(AJMER-DIVISION)
NORTH WESTERN RAILWAY

SG(SP) 1805/4/A

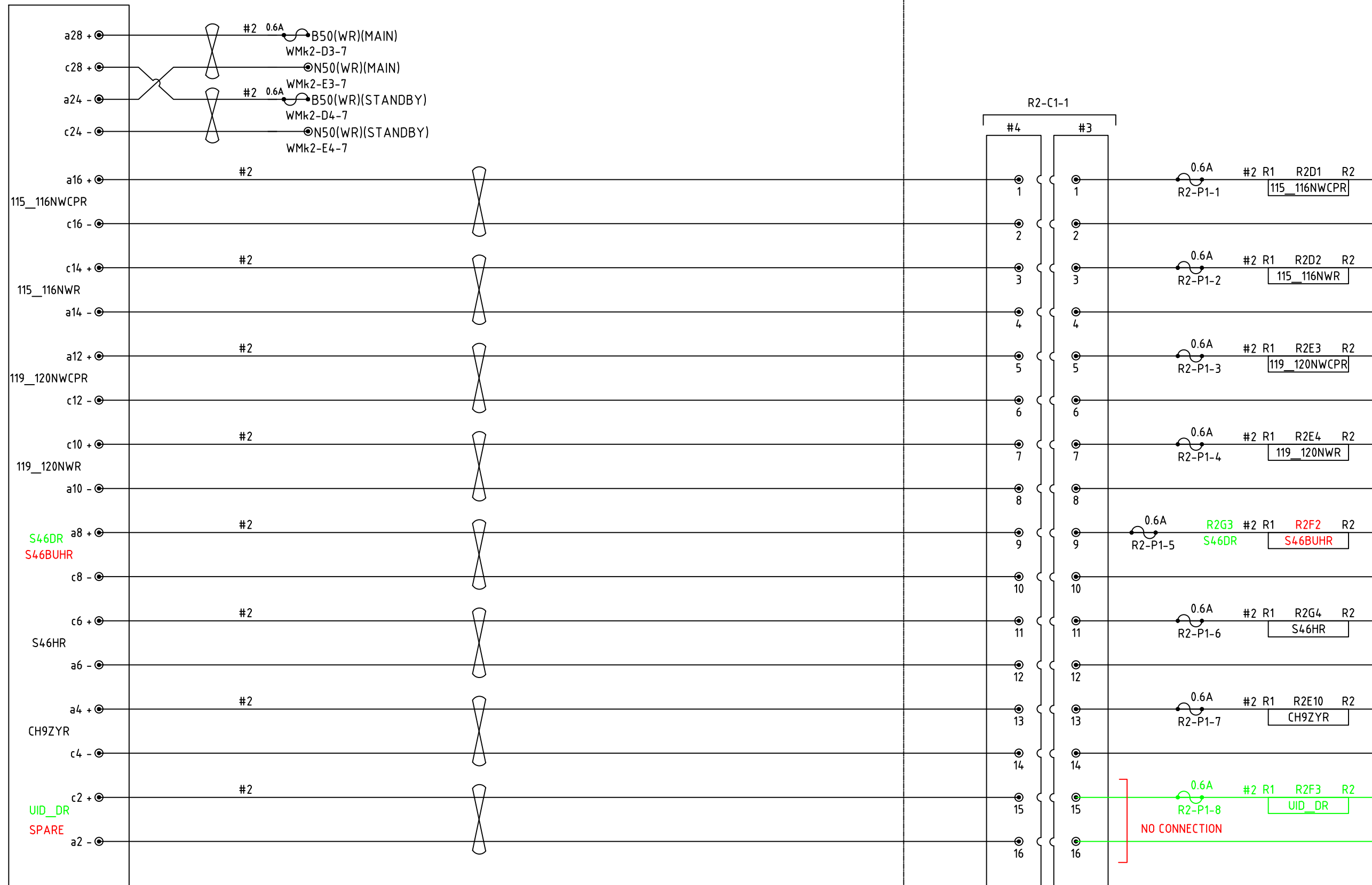
SHT. 0117
CON. 0126



ROM5
SQ-N05
F-SLOT-9

WESTRACE Mk2 RACK

RELAY RACK



NOTE
RED :-ADDITION
GREEN :-DELETION



TWISTED PAIRED CABLE

LENGTH OF THE WIRES
DEPENDS ON THE DISTANCE
BETWEEN WESTRACE &
RELAY RACKS

NOTE:

ALL WIRES TO BE 0.5 sqmm BLACK COLOUR UNLESS OTHERWISE SPECIFIED
#2 16/0.2 mm RED COLOUR WIRE
#3 16-PIN MALE CONNECTOR (WAGO ITEM NO: 231-646/019-000)
#4 16-PIN FEMALE PLUG (WAGO ITEM NO: 231-316/026-000)

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TITLE

WESTRACE Mk2
ROM5 CIRCUITS

INTERFACE CIRCUIT

(DY.CSTE/D&D) FOR P.CSTE	APPD.
SSTE/D&D	CHD
ASTE/D&D	CHD
SSE/SIG	CHD

IFC NO - 1805/4/A

CHITRASANI
(AJMER-DIVISION)
NORTH WESTERN RAILWAY

SG(SP) 1805/4/A

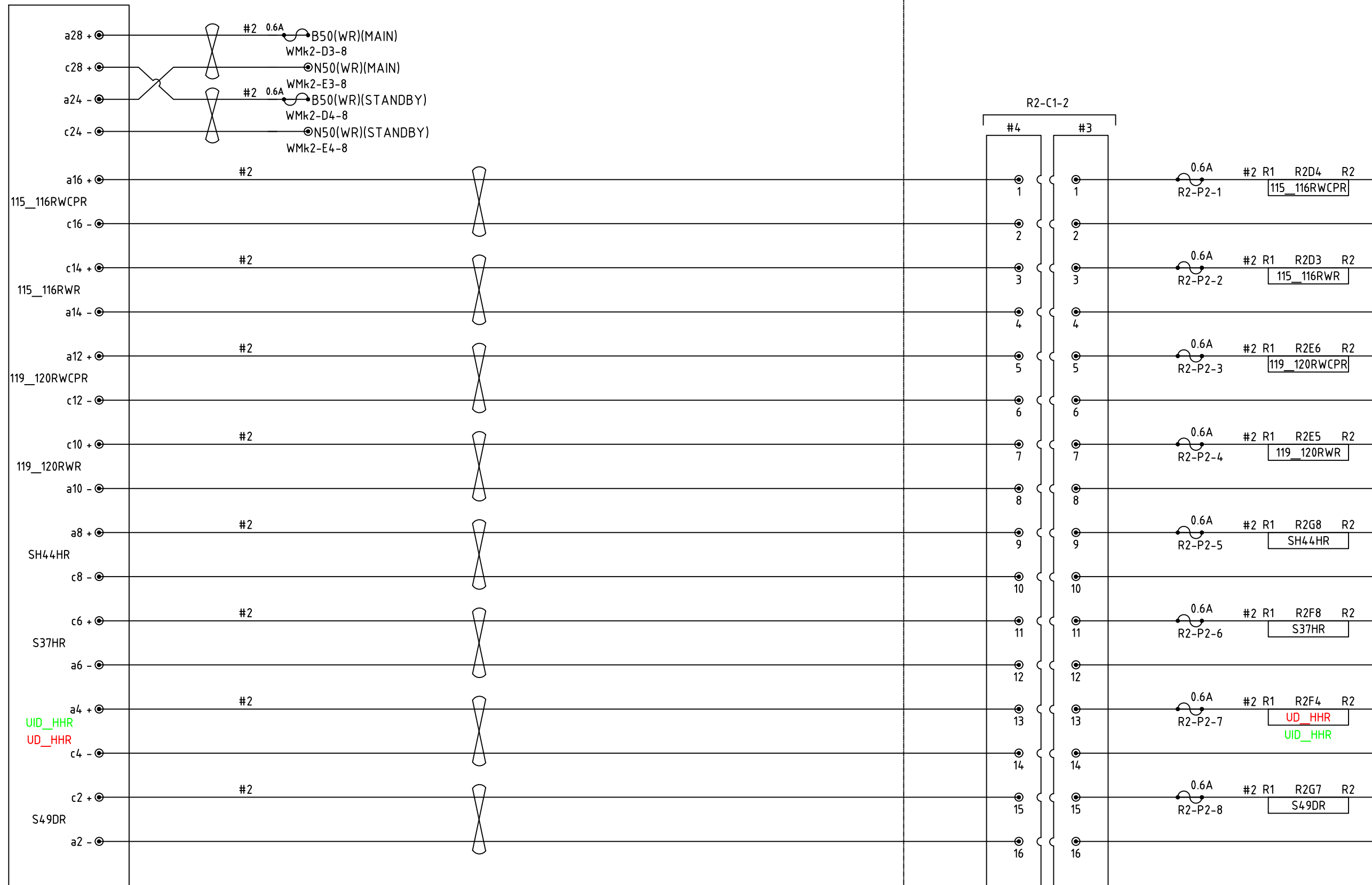
SHT.	CON.
0185	0186

CAD FILE : 840P-00517.P.03S0185CTT.DWG

ROM6
SQ-N06
F-SLOT-10

WESTRACE Mk2 RACK

RELAY RACK



NOTE
RED :-ADDITION
GREEN :-DELETION



TWISTED PAIRED CABLE

LENGTH OF THE WIRES
DEPENDS ON THE DISTANCE
BETWEEN WESTRACE &
RELAY RACKS

NOTE:

ALL WIRES TO BE 0.5 sqmm BLACK COLOUR UNLESS OTHERWISE SPECIFIED
#2 16/0.2 mm RED COLOUR WIRE
#3 16-PIN MALE CONNECTOR (WAGO ITEM NO: 231-646/019-000)
#4 16-PIN FEMALE PLUG (WAGO ITEM NO: 231-316/026-000)

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TITLE
WESTRACE Mk2 ROM6 CIRCUITS
INTERFACE CIRCUIT

(DY.CSTE/D&D) FOR P.CSTE	APPD.
SSTE/D&D	CHD
ASTE/D&D	CHD
SSE/SIG	CHD

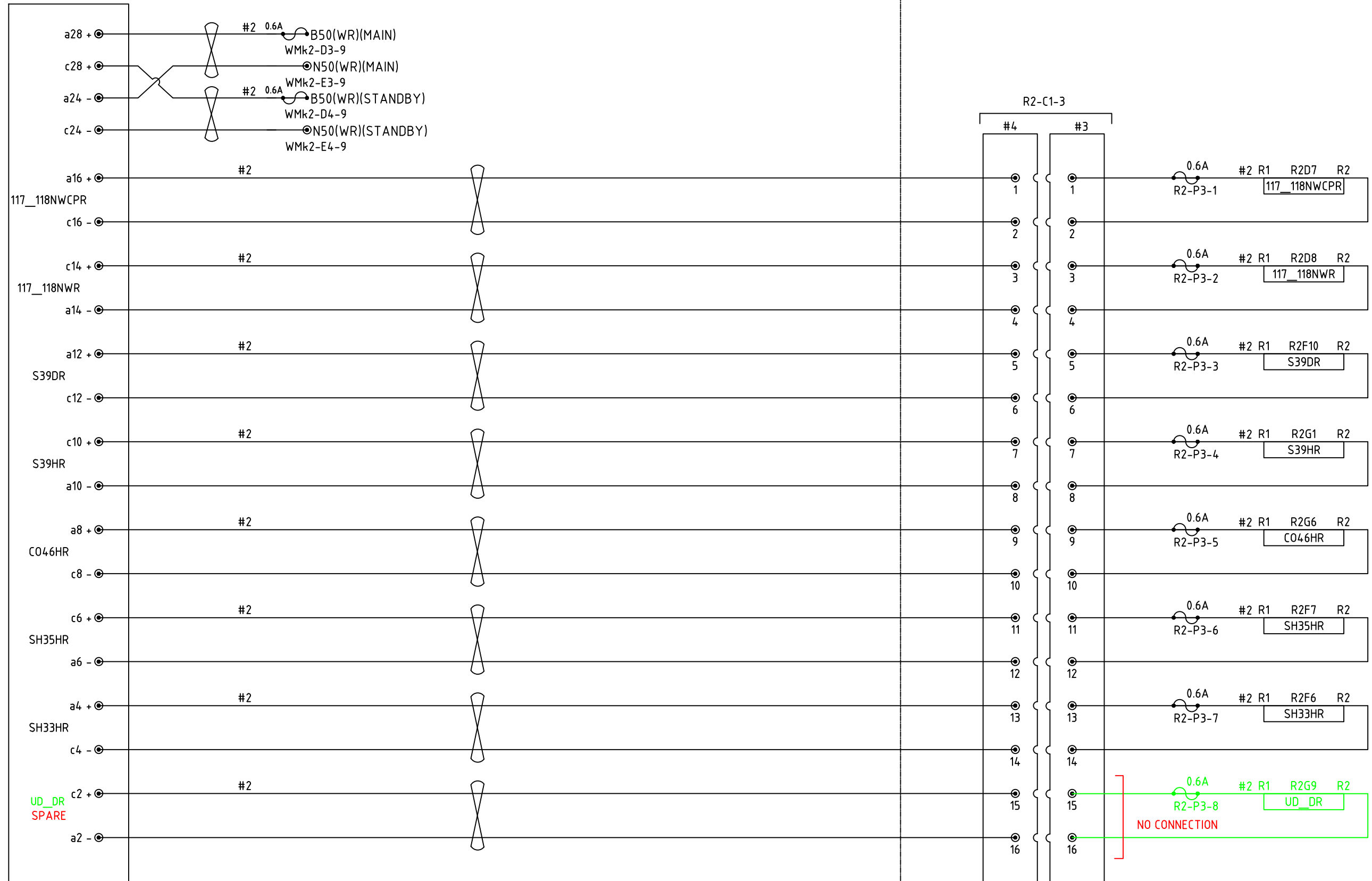
IFC NO - 1805/4/A	
CHITRASANI (AJMER-DIVISION) NORTH WESTERN RAILWAY	
SHT.	CON.
0186	0187

CAD FILE : 840P_00517.P.03S0186CTT.DWG

ROM7
SQ-N017
H-SLOT-1

WESTRACE Mk2 RACK

RELAY RACK



REV	DATE	DESIGNED	CHECKED	APPROVED	DESCRIPTION
1.0	12/07/2021	RD	CS	SJ	MODIFIED AS PER SIP SI-1805/4/A

TITLE
WESTRACE Mk2 ROM7 CIRCUITS
INTERFACE CIRCUIT

(DY.CSTE/D&D) FOR P.CSTE	APPD.
SSTE/D&D	CHD
ASTE/D&D	CHD
SSE/SIG	CHD

