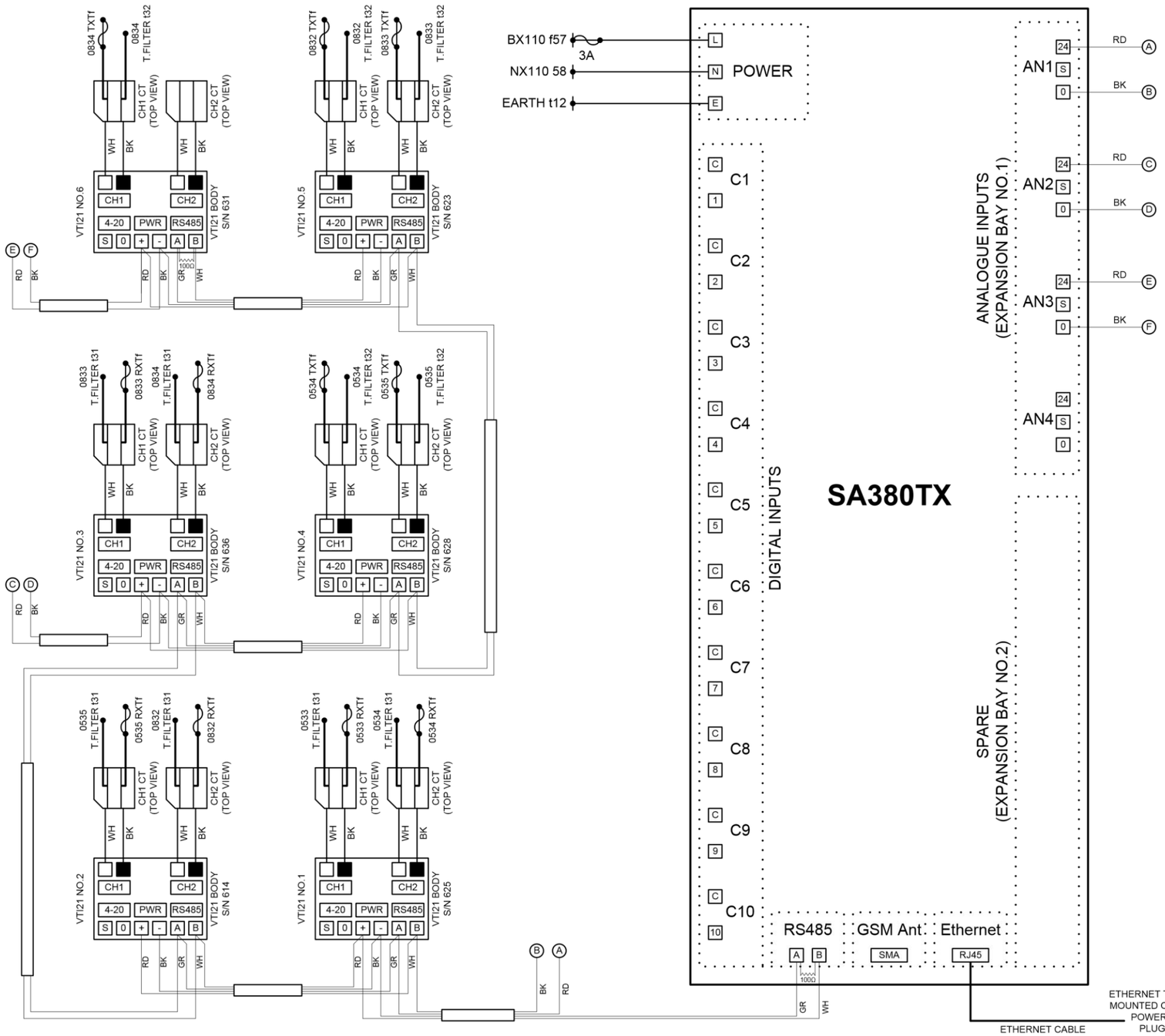

MAIN BOARD INPUTS	
C01	SPARE
C02	SPARE
C03	SPARE
C04	SPARE
C05	SPARE
C06	SPARE
C07	SPARE
C08	SPARE
C09	SPARE
C10	SPARE

EXPANSION BAY 1	
AN1	VTI21 24V POWER
AN2	VTI21 24V POWER
AN3	VTI21 24V POWER
AN4	SPARE

REED TRACK VTI21 CT INFORMATION				
VT121 NO.1	POSITION RK 3, POS D2	CH1	0533 RX	f372
		CH2	0534 RX	f375
VT121 NO.2	POSITION RK 3, POS D2	CH1	0535 RX	f378
		CH2	0832 RX	f363
VT121 NO.3	POSITION RK 3, POS D2	CH1	0833 RX	f366
		CH2	0834 RX	f369
VT121 NO.4	POSITION RK 1, POS D2	CH1	0534 TX	f375
		CH2	0535 TX	f378
VT121 NO.5	POSITION RK 1, POS D2	CH1	0832 TX	f363
		CH2	0833 TX	f366
VT121 NO.6	POSITION RK 1, POS D2	CH1	0834 TX	f369
		CH2	SPARE	

NOTES

The VTI21 RS485 output can be used to transmit the multiple application dependent parameters on the RS485 bus to MPEC SA380TX data loggers.

Up to 7 x VTI21 sensors can be supported with a single RS485 input and an auxiliary power supply card.

The power and data bus cables can be up to 1,500m in length

The RS485 data link uses a bus topology. A single twisted pair is to be "daisy chained" between logger and VTI21 sensors.

Ensure "A" connectors are common between logger and all VTI21 devices
Ensure "B" connectors are common between logger and all VTI21 devices

Power is provided by the SA380TX analogue input channels, these inputs provide a power supply for powering off-board sensors.

+ must be connected to "24"
- must be connected to "0"

The VTI21 consumes 0.8W at 24VDC in RS485 mode. In theory, 2 x VTI21 sensors may be connected to each analogue input power supply.

NEVER wire RS485 cables into data inputs of computer based interlockings…

Take care when connecting power supply (PWR) to the VTI21!
Reverse polarity connection will destroy the VTI21
Connecting 24V to input channels will destroy the VTI21
Ensure power supply is isolated from the signalling supply
Ensure power supply has over-current protection or is short circuit tolerant

	TESTER NAME	SIGNATURE	DATE
1			
2			
3			
4			
5			

Complete tester details in your own check marker colour.
Sign off for completed activities

ACTIVITY	COMPLETE	DATE
Prep. Inspection		
Prep. W.C and Cont.		
Prep. S. & F./ C.F.T.		
Cable Core Loc. End		
Cable Core Equ. End		
Changeover Comp.		

Source Record Updated		
Version	Prod.	Check

Reed Track Circuit RCM

Typical Circuit

Current Version: A

CAD GENERATED: ALTERATIONS TO BE MADE ON DESIGN FILE ONLY

A3