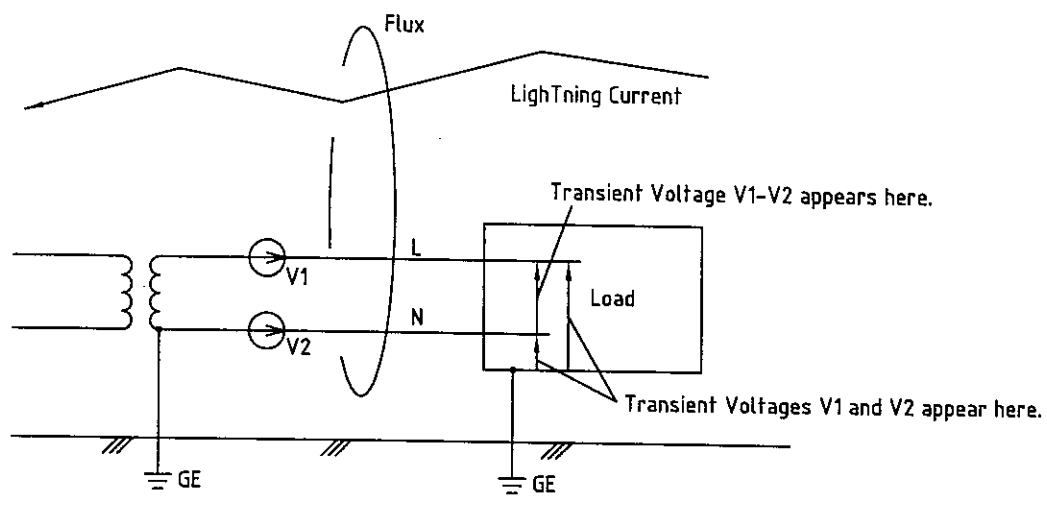


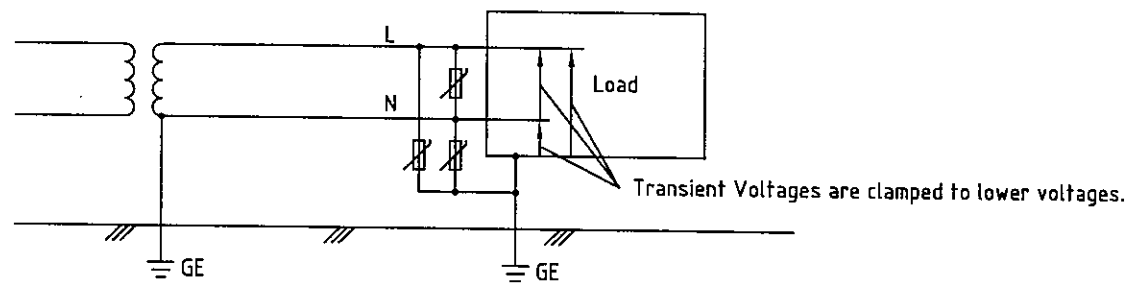
A
B
C
D
E
F

A
B
C
D
E
F



⊕ Transient Current Source
 GE : Grounding Electrode

Fig. 1



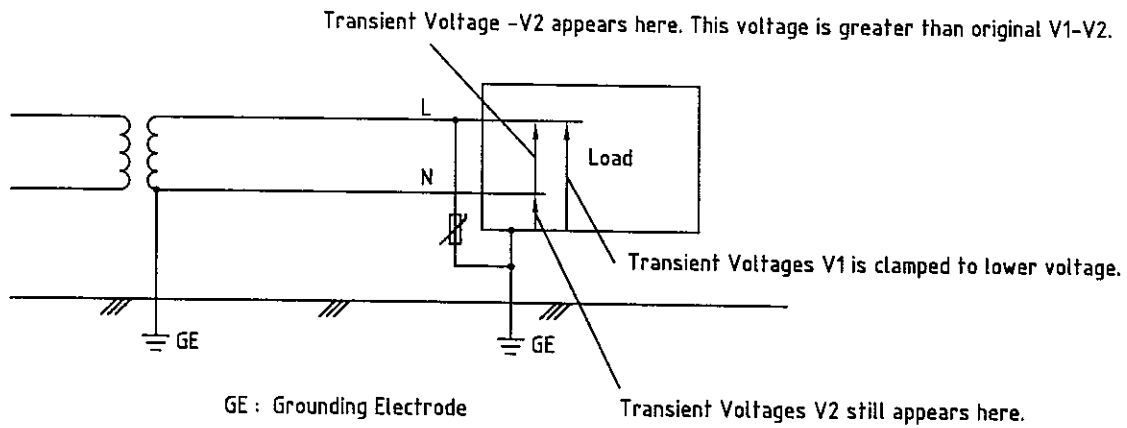
GE : Grounding Electrode
 ⊕ : TVSS

Fig. 2

NO	Q'TY	ITEM			REFERENCE	
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME	DATE	SCALE	
AS	AS	N/A	TvssGnd01	31/JAN/03	N/A	
N/A			TITLE			
			TVSS Grounding			
DWG. NO.				REV	SHT	CONT SHT
TvssGnd01				0	81	82



NOT RECOMMENDED



In case TVSS is installed only L.

Fig. 11

BAD EXAMPLES

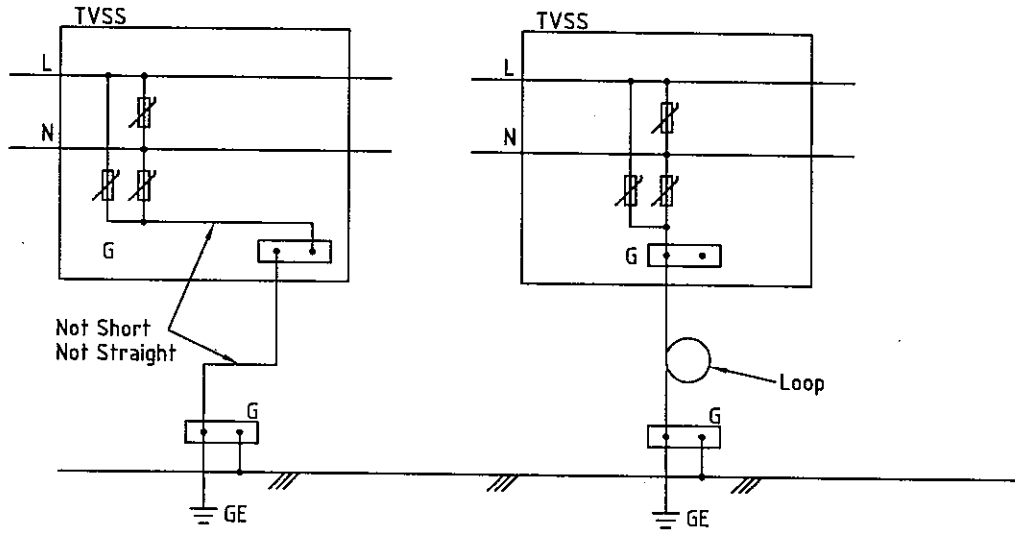
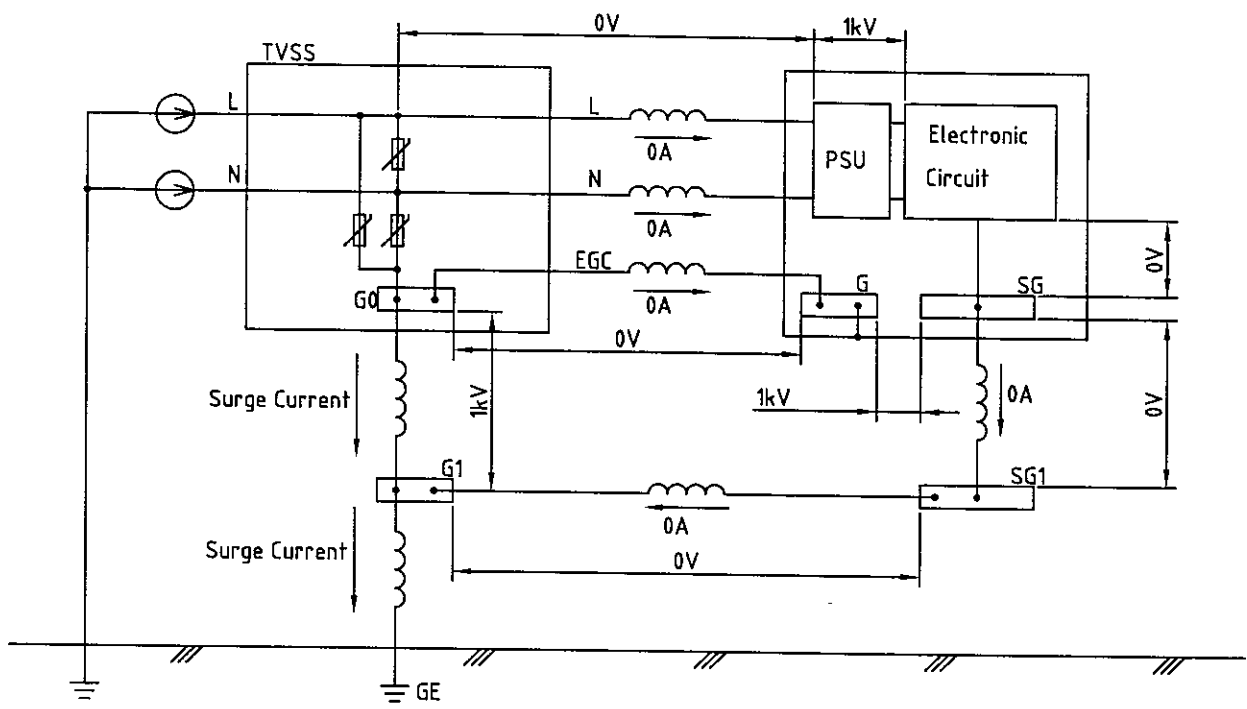


Fig. 12

NO	Q'TY	ITEM	REFERENCE		
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME	DATE	SCALE
AS	AS	N/A	TvssGnd02	31/JAN/03	N/A
N/A			TITLE		
			TVSS Grounding		
PT. ANI INTERNATIONAL			DWG. NO.	REV	SHT
			TvssGnd02	0	82
					CONT SHT
					83

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NOT RECOMMENDED



- Transient Current Source
- Inductance on Conductor

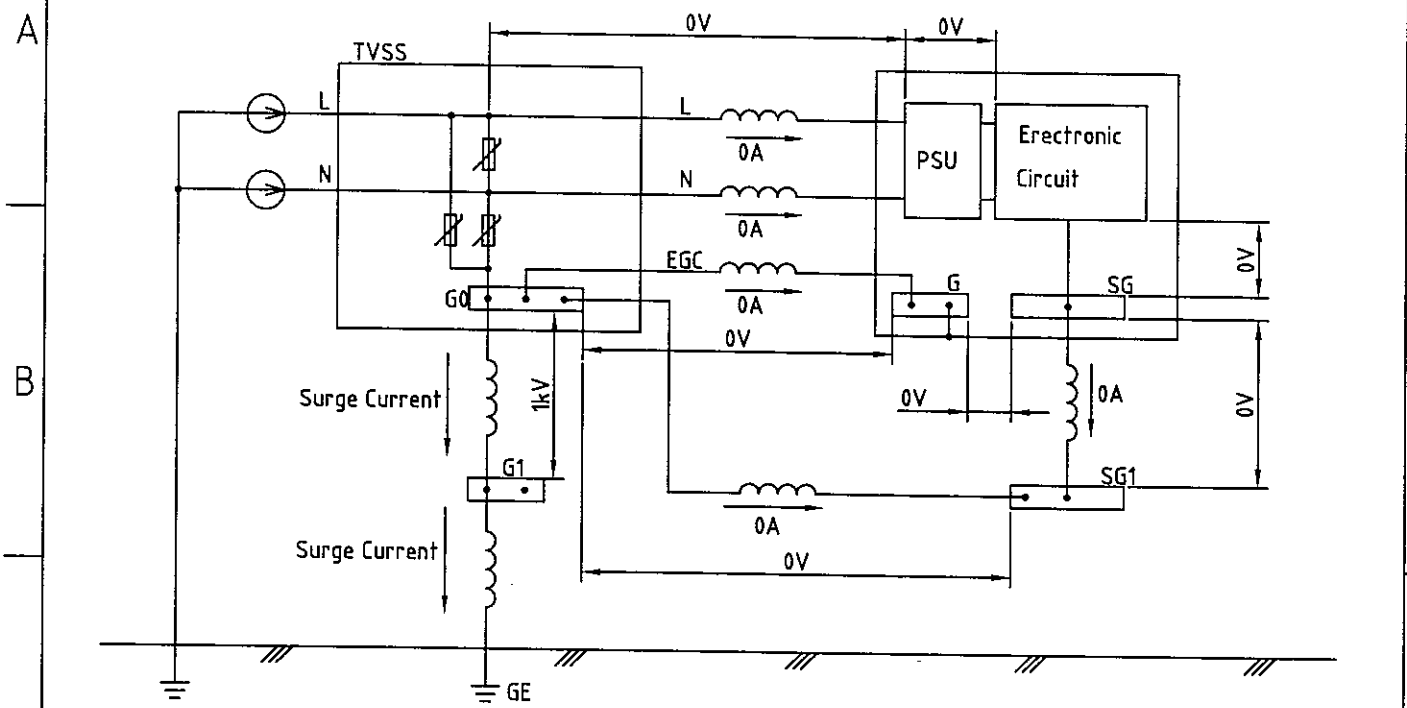
TVSS : Transient Voltage Surge Suppressor
 PSU : Power Supply Unit
 GE : Grounding Electrode
 EGC : Equipment Grounding Conductor
 SG : Signal Ground
 : TVSS

No Equipotential Connection
 Fig. 21

NO	Q'TY	ITEM	REFERENCE
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME
AS	AS	N/A	TvssGnd03
			DATE
			3/FEB/03
			SCALE
			N/A
N/A		TITLE	
		TVSS Grounding	
PT. ANI IONAL		DWG. NO.	REV
		TvssGnd03	0
		SHT	CONT SHT
		83	84

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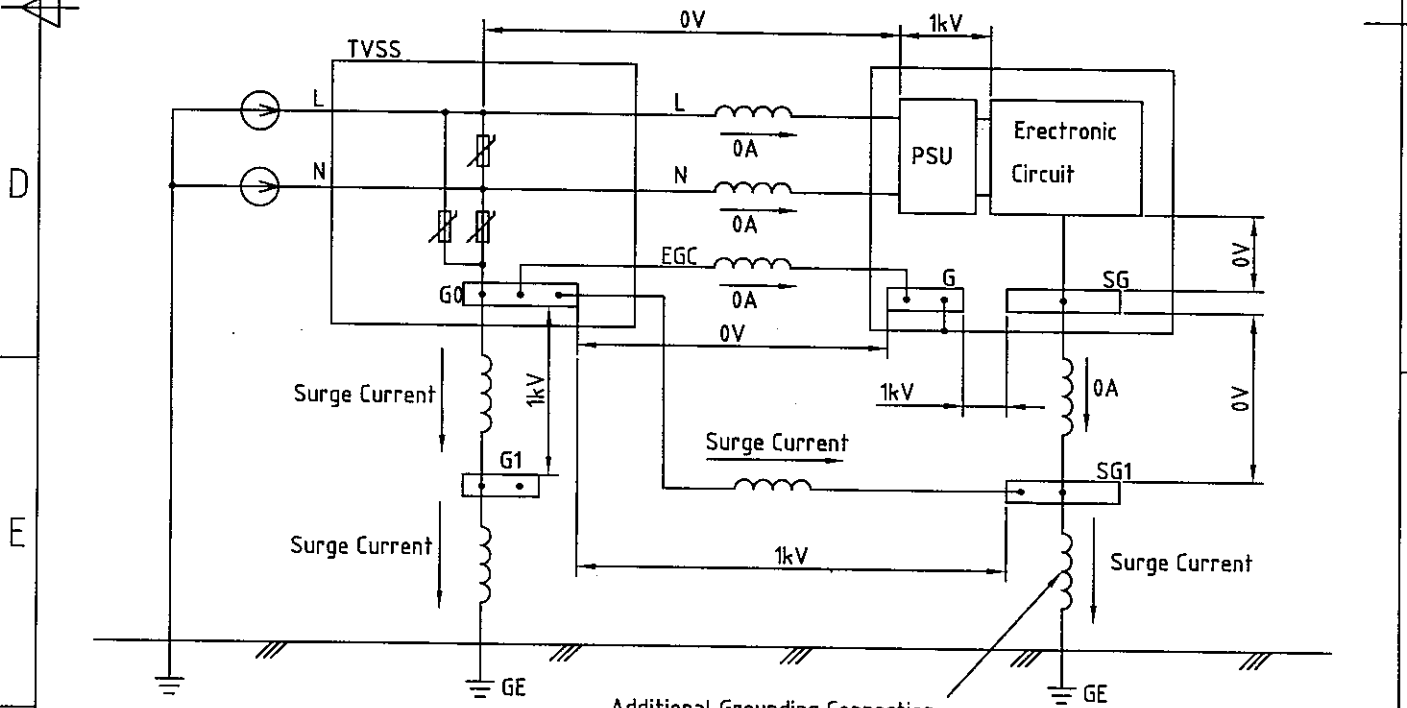
RECOMMENDED



Equipotential Connection

Fig. 31

NOT RECOMMENDED

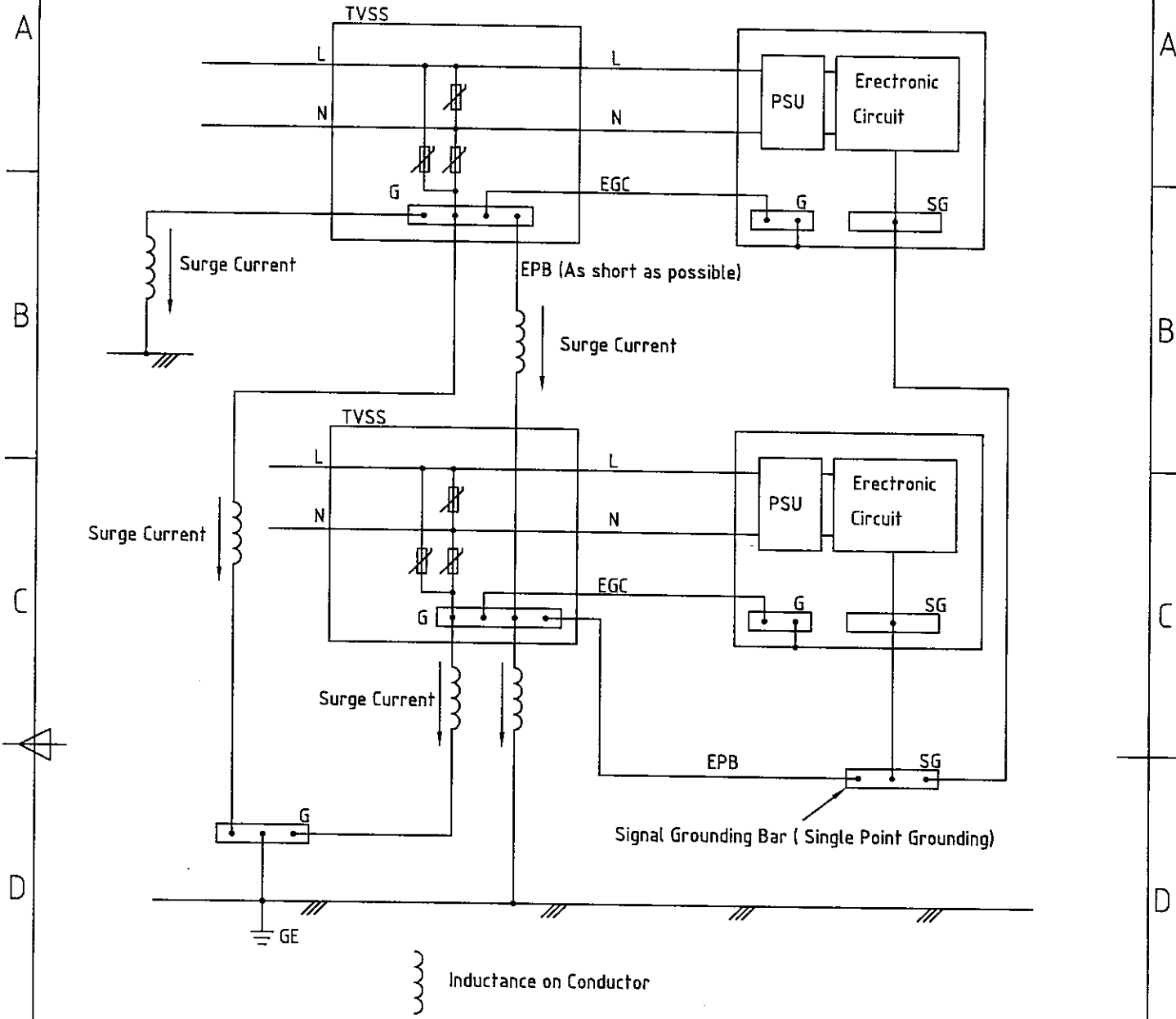


Additional Grounding Connection

Fig. 32

NO	Q'TY	ITEM	REFERENCE
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME
AS	AS	N/A	TvssGnd04
			DATE
			3/FEB/03
			SCALE
			N/A
N/A		TITLE	
		TVSS Grounding	
PT. ANI INTERNATIONAL		DWG. NO.	REV
		TvssGnd04	0
		SHT	CONT SHT
		84	85

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TVSS: Transient Voltage Surge Suppressor
 PSU : Power Supply Unit
 GE : Grounding Electrode
 EGC: Equipment Grounding Conductor
 SG: Signal Ground
 EPB: Equipotential Bonding
 ⚡ : TVSS
 Equipotential Connection

Fig. 41

NO	Q'TY	ITEM	REFERENCE		
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME	DATE	SCALE
AS	AS	N/A	TvssGnd05	3/FEB/03	N/A
N/A			TITLE		
N/A			TVSS Grounding		
PT. ANI INTERNATIONAL			DWG. NO.	REV	SHT
PT. ANI INTERNATIONAL			TvssGnd05	0	85
				CONT SHT	
					91

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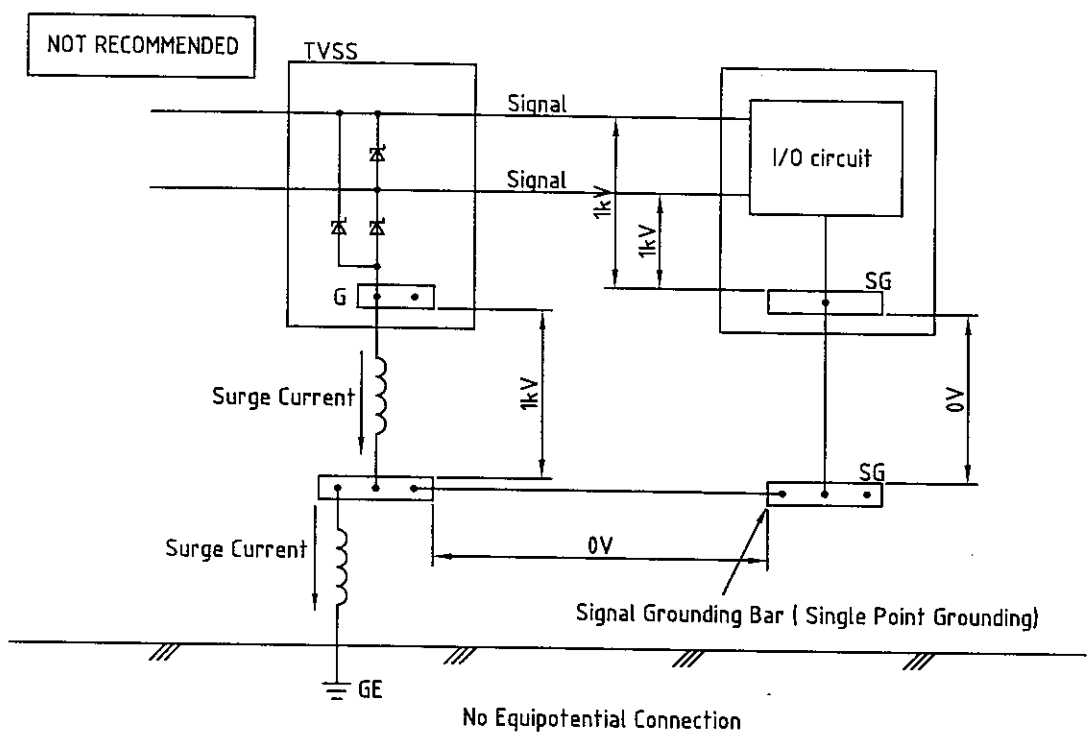


Fig. 51

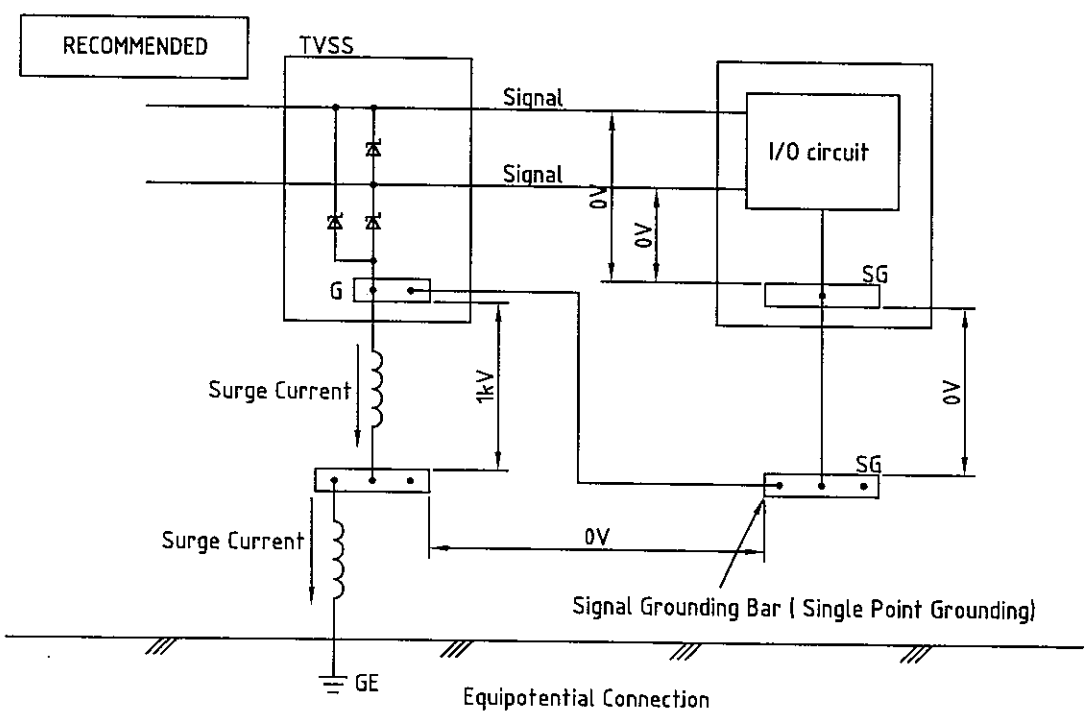
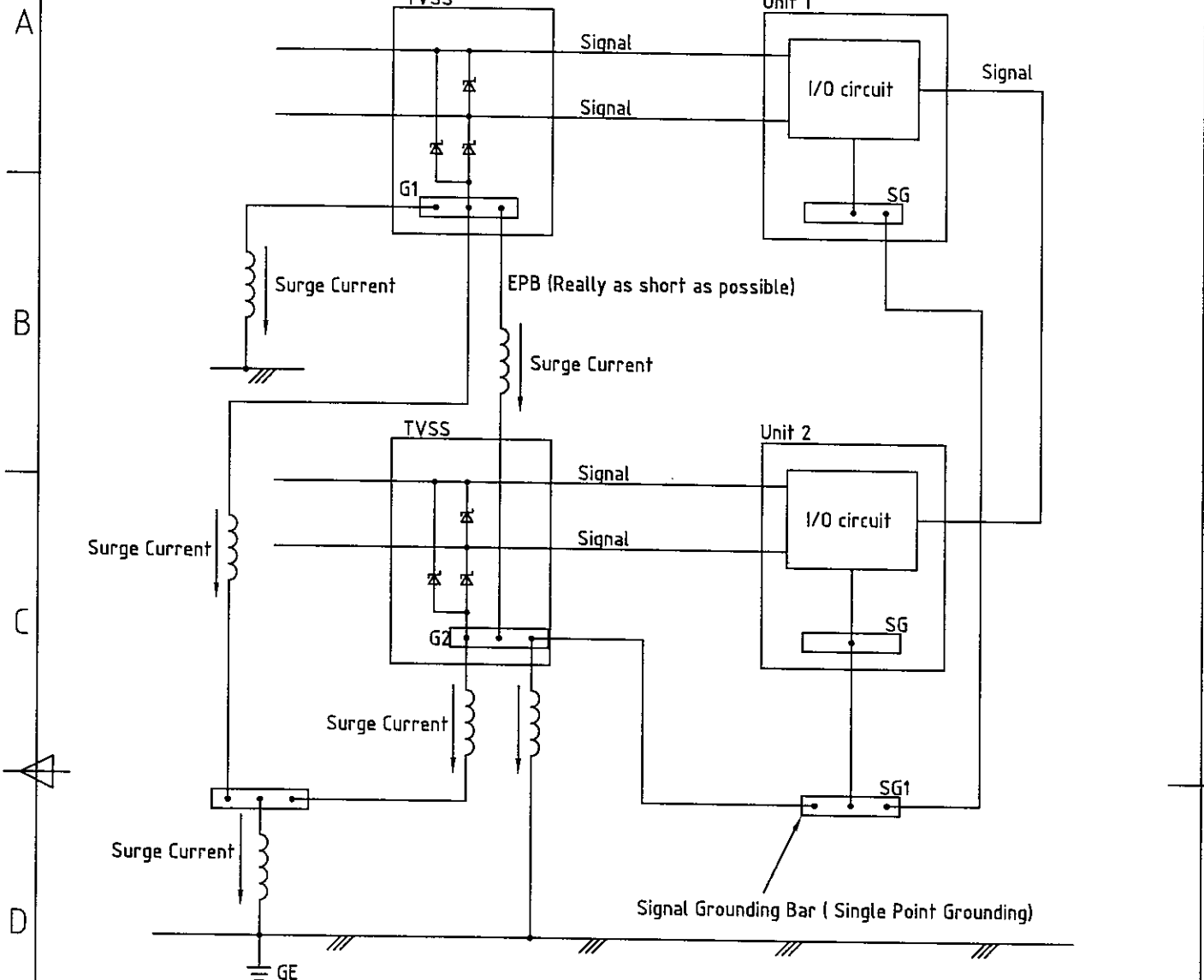



Fig. 52

Inductance on Conductor
 TVSS

TVSS: Transient Voltage Surge Suppressor
 GE: Grounding Electrode
 SG: Signal Ground

NO	Q'TY	ITEM	REFERENCE
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME
AS	AS	N/A	TvssGnd11
			DATE
			3/FEB/03
			SCALE
			N/A
N/A		TITLE	
		TVSS Grounding	
PT. ANIS INTERNASIONAL		DWG. NO.	REV
		TvssGnd11	0
	SHT	CONT SHT	
	91	92	

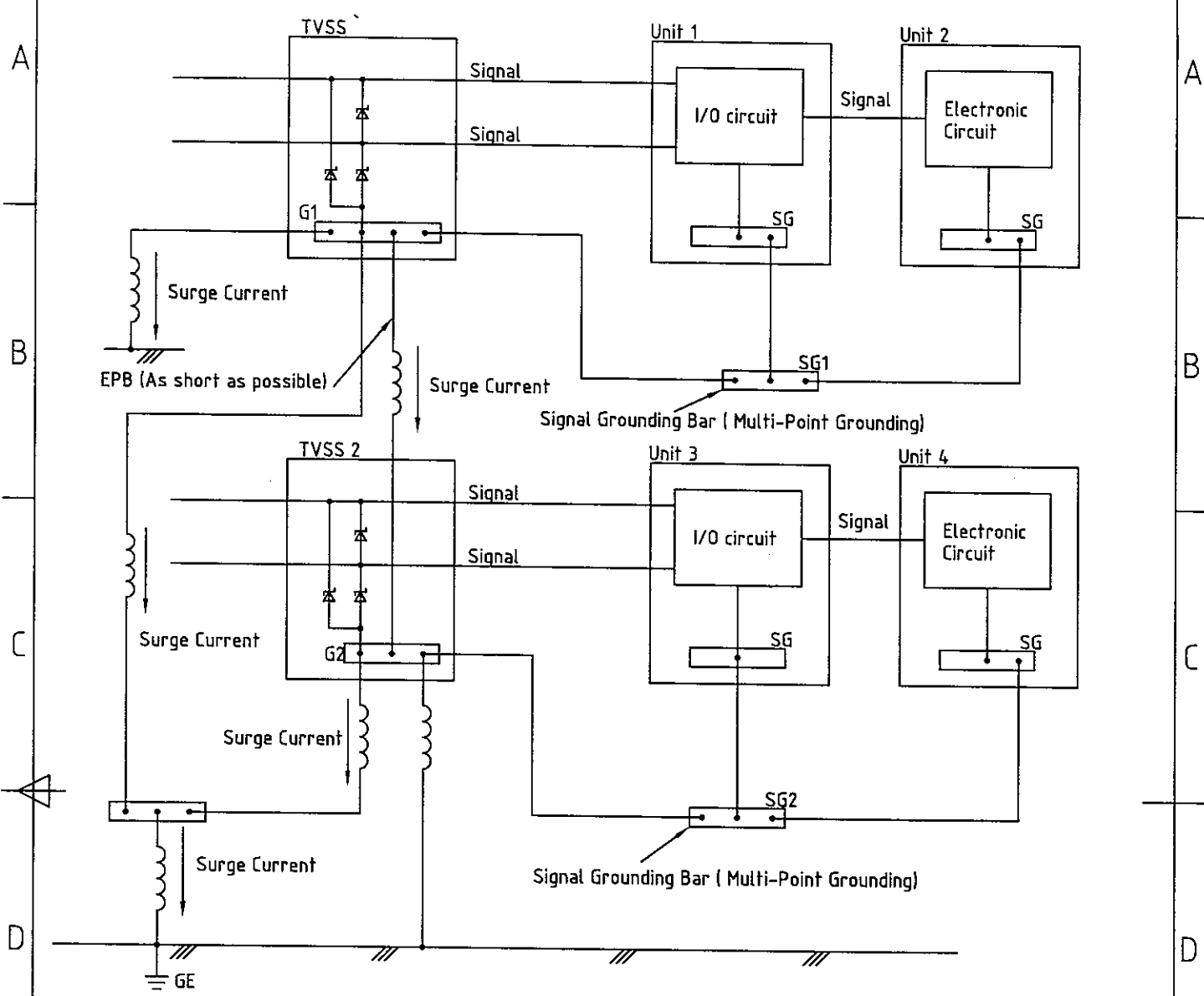


 Inductance on Conductor
 TVSS: Transient Voltage Surge Suppressor
 GE: Grounding Electrode
 SG: Signal Ground
 EPB: Equipotential Bonding
 * : TVSS

Equipotential Connection

Fig. 61

NO	Q'TY	ITEM	REFERENCE
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME
AS	AS	N/A	TvssGnd12
			DATE
			3/FEB/03
			SCALE
			N/A
N/A		TITLE	
		TVSS Grounding	
PT. ANI		DWG. NO.	REV
INTERNATIONAL		TvssGnd12	0
		SHT	92
		CONT SHT	93



Inductance on Conductor

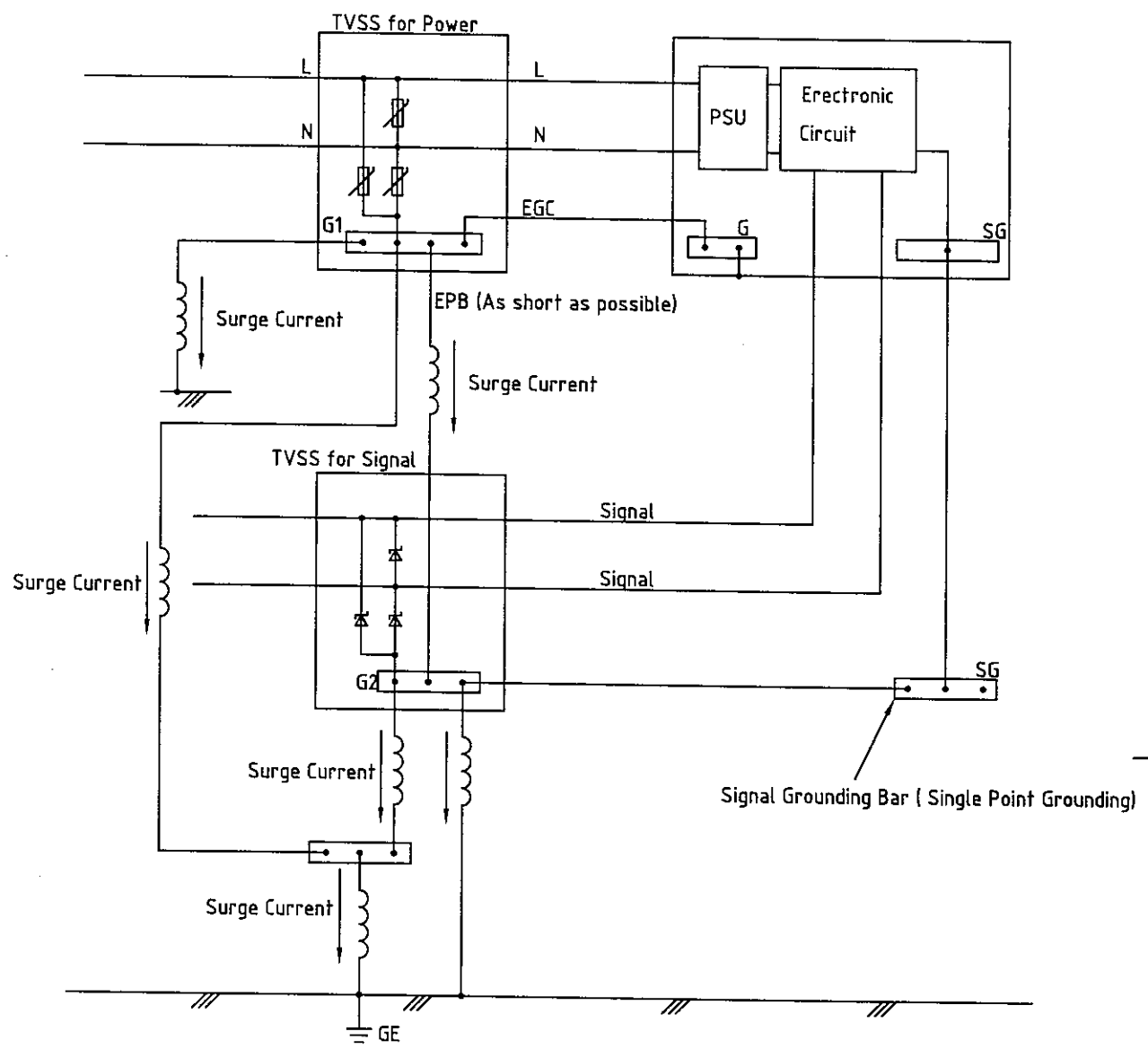
TVSS: Transient Voltage Surge Suppressor
 GE : Grounding Electrode
 SG: Signal Ground
 EPB: Equipotential Bonding
 ⚡ : TVSS

Equipotential Connection

Fig. 71

NO	Q'TY	ITEM	REFERENCE
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME
AS	AS	N/A	TvssGnd13
			DATE
			3/FEB/03
			SCALE
			N/A
N/A		TITLE	
		TVSS Grounding	
PT. ANI		DWG. NO.	REV
INTERNATIONAL		TvssGnd13	0
		SHT	93
		CONT SHT	101

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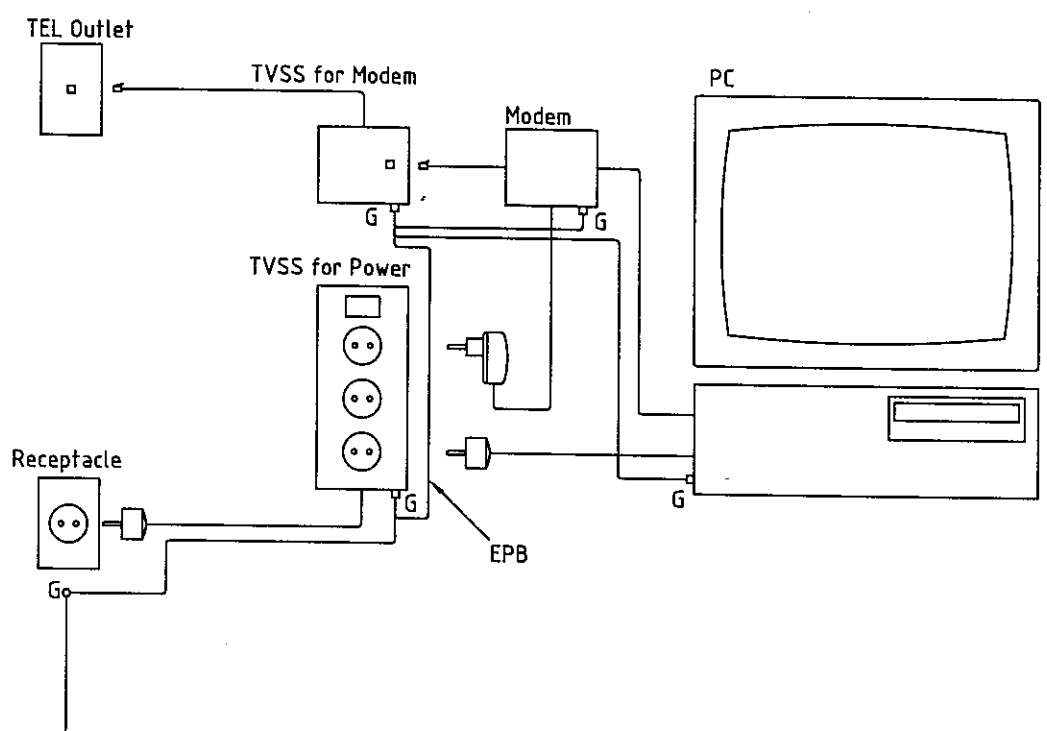
Inductance on Conductor
 TVSS: Transient Voltage Surge Suppressor
 GE: Grounding Electrode
 SG: Signal Ground
 TVSS

Equipotential Connection
Fig. 71

NO	Q'TY	ITEM	REFERENCE		
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME	DATE	SCALE
AS	AS	N/A	TvssGnd21	3/FEB/03	N/A
N/A			TITLE		
			TVSS Grounding		
PT. ANIS INTERNASIONAL			DWG. NO.	REV	SHT
			TvssGnd21	0	101
			CONT SHT		
				102	

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REV	REVISION NOTE	DATE	BY	CHKED
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EPB: Equipotential Bonding

Equipotential Connection

Fig. 76

NO	Q'TY	ITEM	REFERENCE
DESIGNED BY	CHECKED BY	APPROVED BY	FILE NAME
AS	AS	N/A	TvssGnd22
			DATE
			3/FEB/03
			SCALE
			N/A
N/A		TITLE	
		TVSS Grounding	
PT. ANI INTERNATIONAL		DWG. NO.	REV
		TvssGnd22	0
		SHT	102
		CONT SHT	111

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