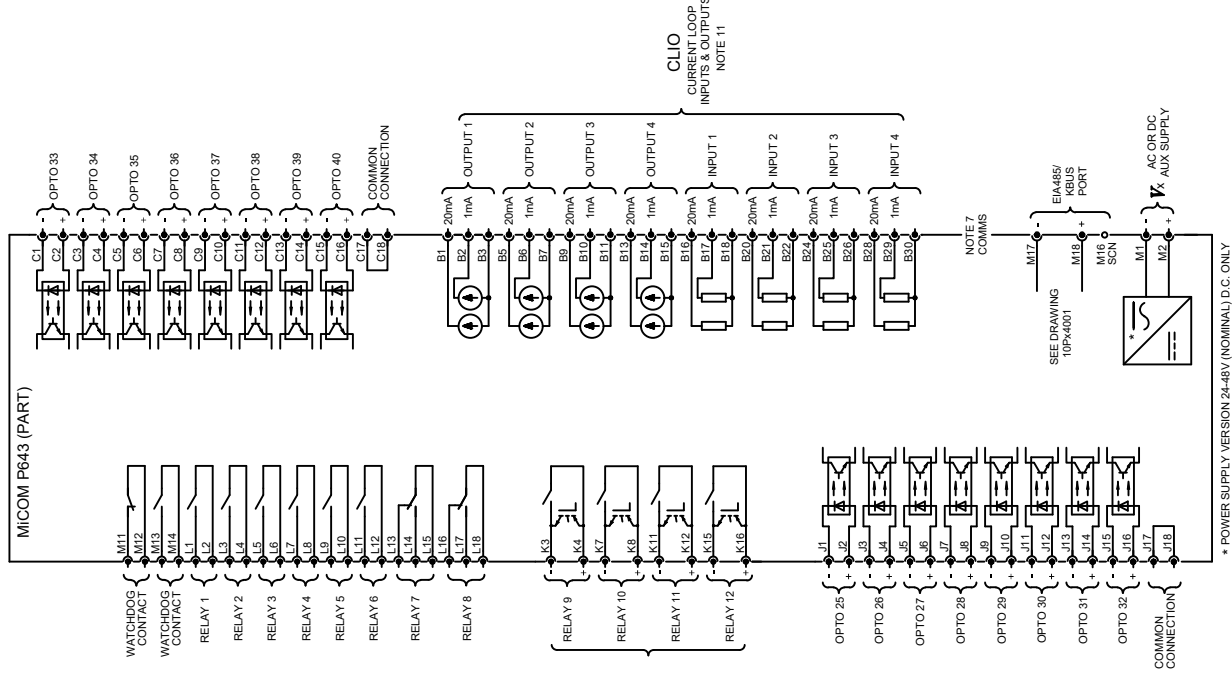


SEE SHEET 2 FOR NOTES



* POWER SUPPLY VERSION 24-48V (NOMINAL) D.C. ONLY

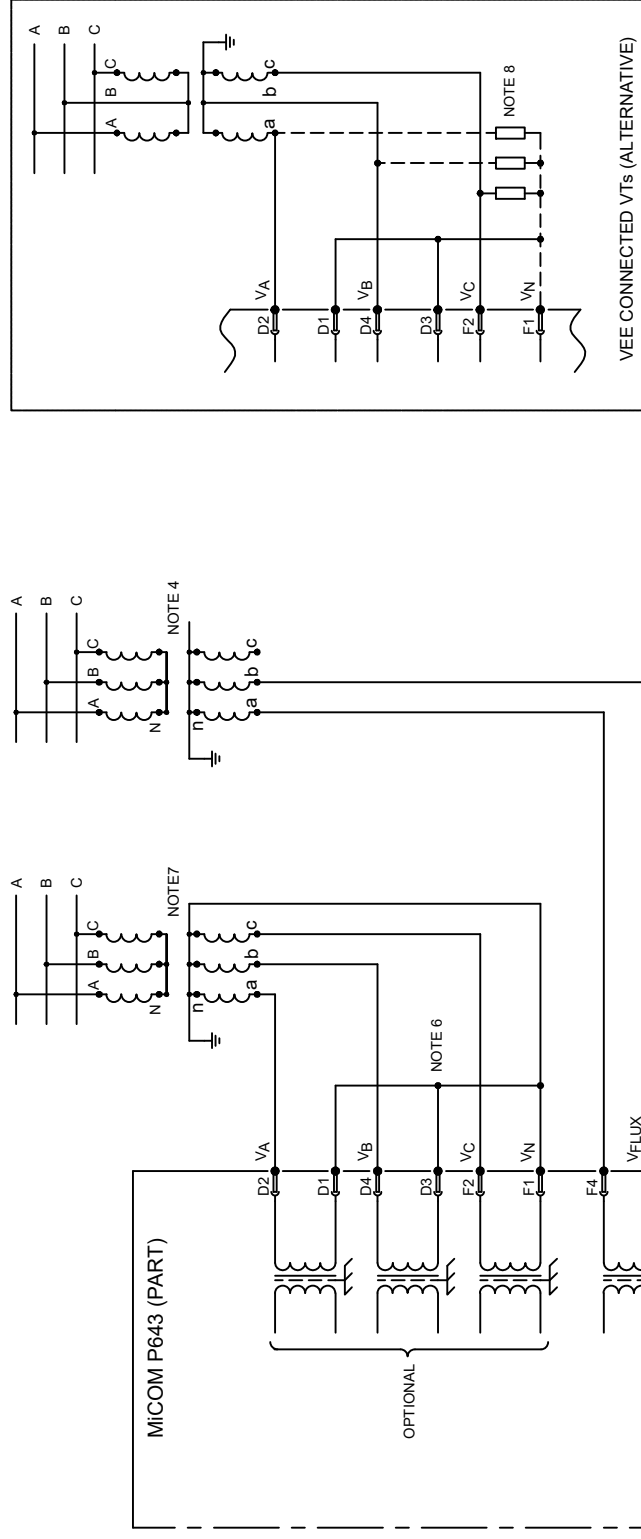
Title: **EXTERNAL CONNECTION DIAGRAM: 3 BIAS INPUT TRANSFORMER DIFFERENTIAL (40 I/O & 12 O/P+CLIO) WITH 4 POLE VT INPUTS (80TE)**

Issue: **C**
Revision: **CID HONG-9CRNL3**




Date: 10/12/2013	Name: H. ONG	ALSTOM GRID UK LTD Substation Automation Solutions (STAFFORD)	Dwg No: 1	Sht: 1
Date:	Chkd:	CAD DATA 1:1 DIMENSIONS: mm DO NOT SCALE	Next Sht: 2	Sht: 2


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ALSTOM



NOTES:

1. (a)  C.T. SHORTING LINKS MAKE BEFORE (b) DISCONNECT.
(b)  TERMINAL.
(c)  PIN TERMINAL (P.C.B. TYPE)
2. SEE TABLE 1 FOR BIAS ASSIGNMENT TO ACTUAL WINDINGS. T1 IS ALWAYS AN HV WINDING CONNECTION.
3. WYE GROUND INPUTS APPLICABLE FOR GROUNDED (EARTHED) WINDINGS.
4. THE VT MAY BE CONNECTED ACROSS ANY PHASE-PHASE PAIR.
(USED BY V/Hz W2 PROTECTION ONLY),
5. FOR COMMS OPTIONS SEE DRAWING 10Px4001.
6. THE VT STAR POINT MUST BE MADE EXTERNALLY AS SHOWN.
7. THE MONITORED THREE PHASE VOLTAGE MAY BE CONNECTED HV, TV OR LV SIDE.
(USED BY V/Hz W1 PROTECTION AND OTHER VOLTAGE PROTECTION)
8. DERIVED NEUTRAL POINT. SEE P64XEN T1- - FOR DETAILS OF RESISTORS.
9. FOR 0-10mA, 0-20mA, 4-20mA RANGE USE 20mA INPUTS & OUTPUTS
FOR 0-1mA RANGE USE 1mA INPUTS & OUTPUTS.

Issue:	D		Revision: CID SWOO-9LNAWE. TABLE 1 REMOVED. NOTES 5&6 REMOVED. TERMINAL F1 WAS E1.	Title: EXTERNAL CONNECTION DIAGRAM: 3 BIAS INPUT TRANSFORMER DIFFERENTIAL (40 I/O & 12 O/P+CLIO) WITH 4 POLE VT INPUTS (80TE)		
Date:	14/07/2014	Name: S.WOOTTON Chkd:	CAD DATA 1:1 DIMENSIONS: mm DO NOT SCALE		ALSTOM GRID UK LTD Substation Automation Solutions (STAFFORD)	Drg No:
Date:						10P64313
					Sht: 2 Next - Sht:	ALSTOM