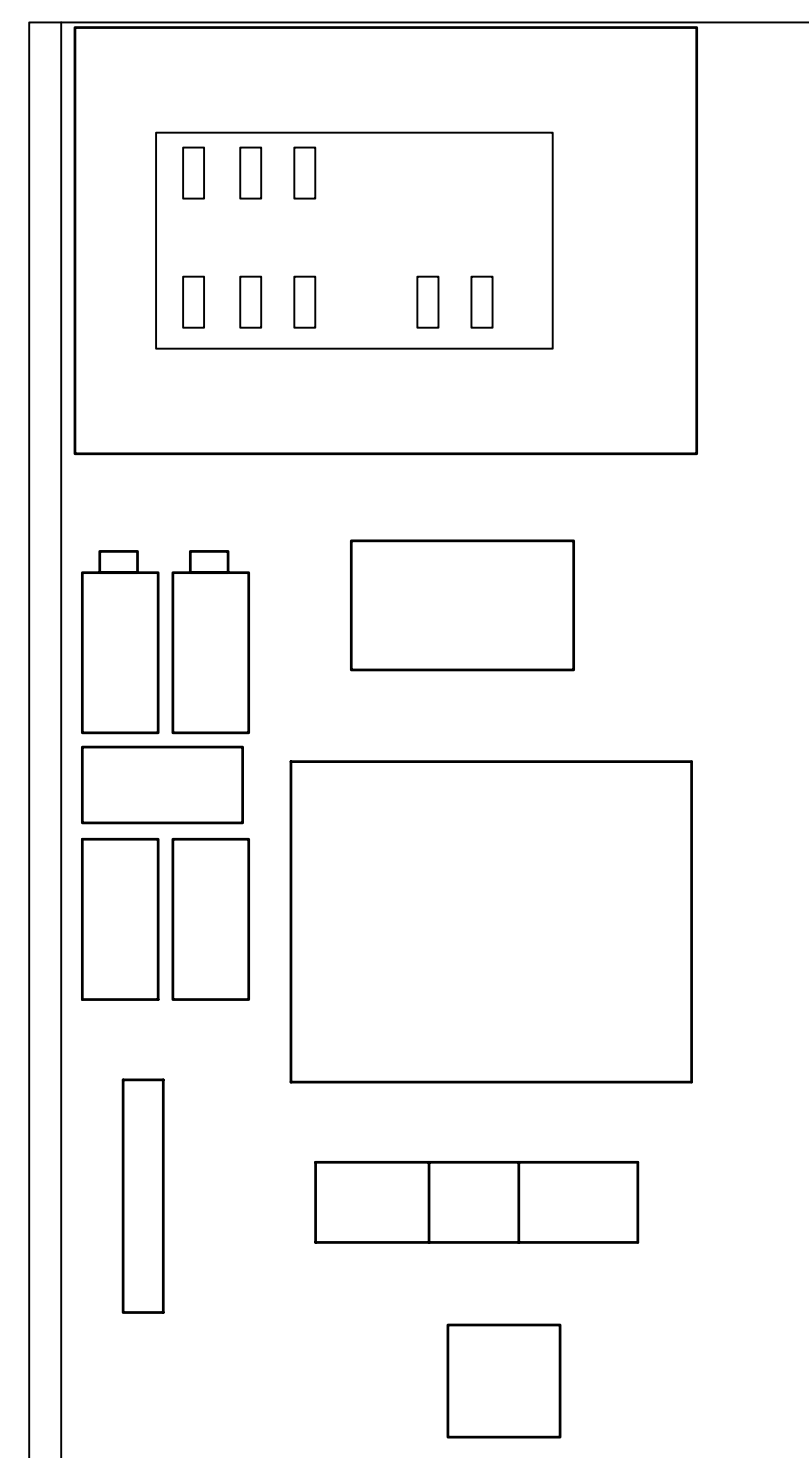
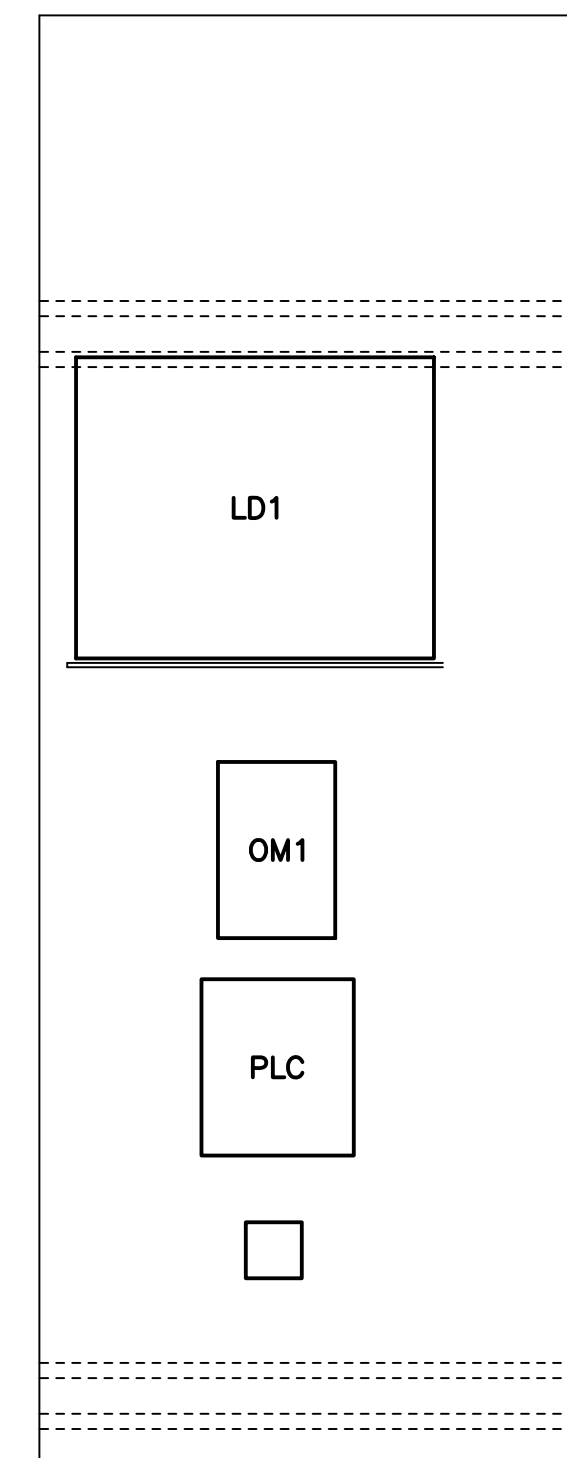


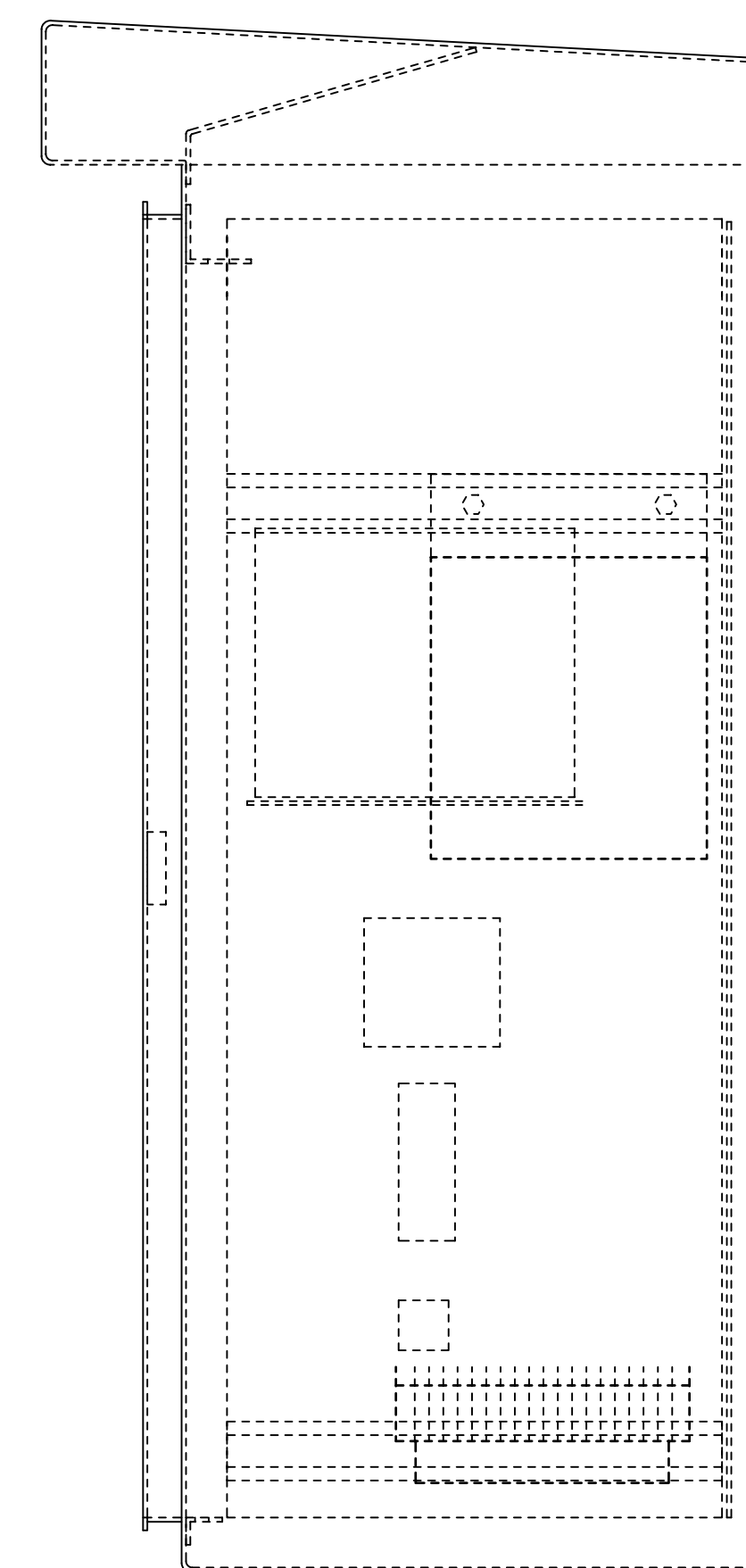
FRONT VIEW



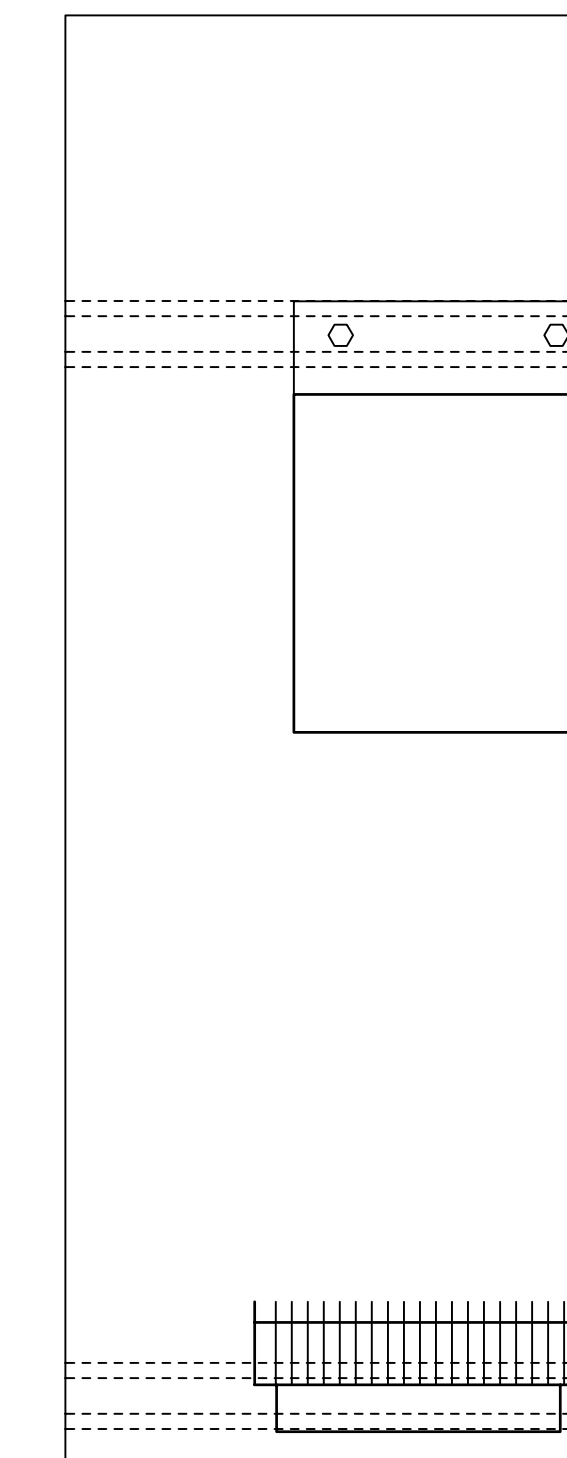
FRONT PANEL



LEFT PANEL



SIDE VIEW



RIGHT PANEL

**EQUIPMENT LAYOUT**  
N.T.S.

REPRESENTS EQUIPMENT LAYOUT FOR CABINETS  
CC35, CC36, CC38, CC39, CC40, CC42, CC43

REFER TO DWG. TE-98129-486  
FOR WIRING DIAGRAM

THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART,  
ON THE BASIS OF INFORMATION COMPILED AND FURNISHED  
BY OTHERS. AS A RESULT, THE ENGINEER WILL NOT BE  
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BEEN INCORPORATED INTO THIS DOCUMENT.

SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION"  
FOR APPLICABLE STANDARD DRAWINGS

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MINISTRY OF TRANSPORTATION  
ELECTRICAL ENGINEERING CENTRE

DESIGNED BY I.S. DATE DEC02 CHECKED BY P.B. DATE DEC02  
M.O.T. ELECTRICAL DESIGN REVIEW \_\_\_\_\_ DATE \_\_\_\_\_

GEORGE MASSEY TUNNEL COUNTERFLOW SYSTEM  
ROUTE 99 - STEVESTON HIGHWAY 1/2 TO ROUTE 17 1/2  
RICHMOND/DELTA

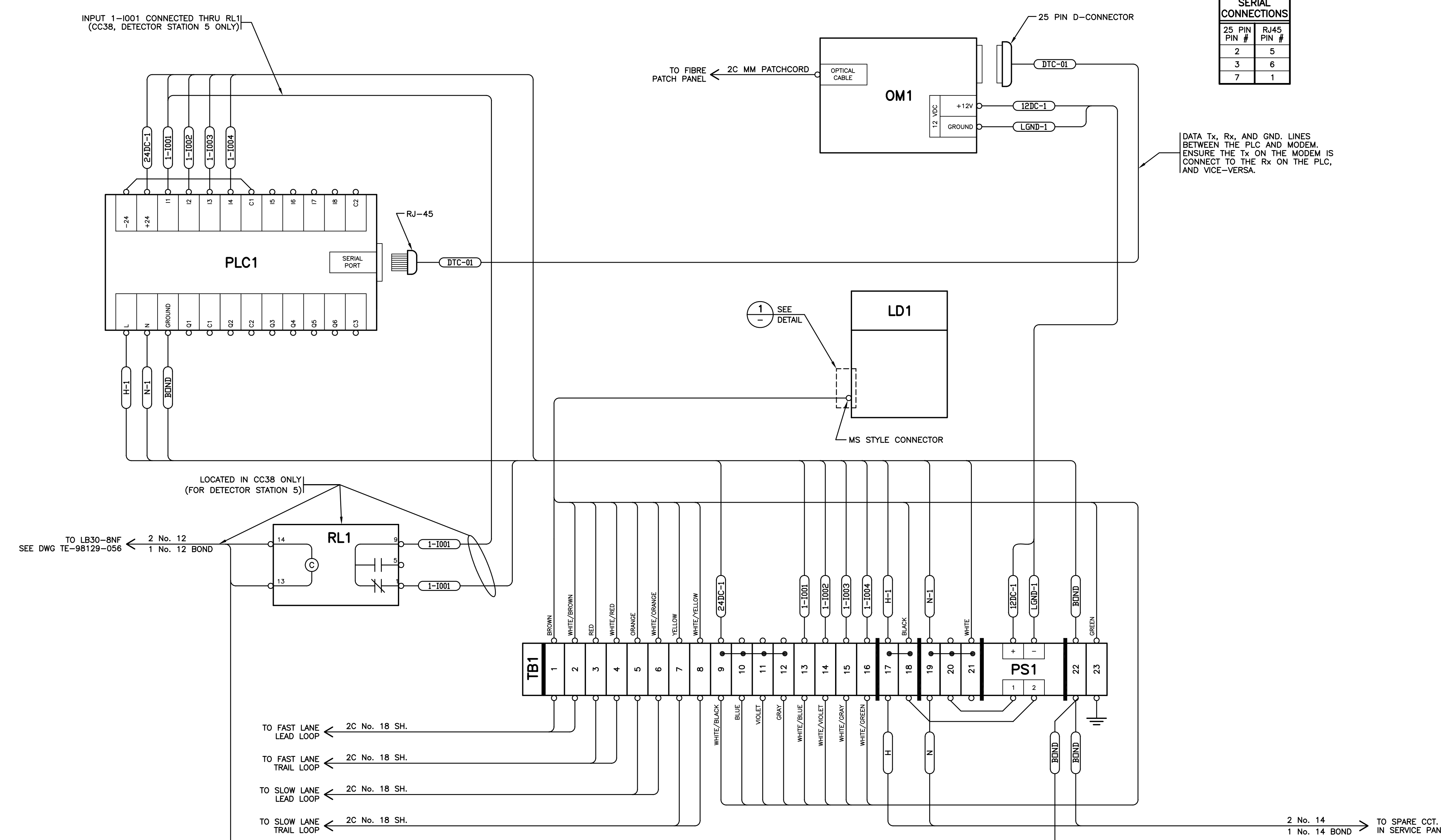
REV	DATE	DESCRIPTION	DRAWN
	OCT01	DRAWING ISSUED FOR VMS WORK BY MOT	PBA
A	DEC02	ISSUED FOR TENDER	PBA
B	MAR03	ISSUED FOR CONSTRUCTION	PBA
C	JAN04	RECORD DRAWING	PBA

CAMERA CABINETS - VMS DETECTOR STATION  
EQUIPMENT LAYOUT

ELECTRICAL ENGINEER OF RECORD (FOR CURRENT REVISION)  
\_\_\_\_\_  
DATE \_\_\_\_\_

SHEET NUMBER	SITE CODE	HWY DIST	REGION	DRAWING NUMBER
SHEET	OF			TE-98129-485

EEC-1006/01



SERIAL CONNECTIONS	
25 PIN PIN #	RJ45 PIN #
2	5
3	6
7	1

MS1	
PIN	FUNCTION
WHITE	A NEUTRAL
WHITE/BLACK	B OUTPUT CH. 4 COM.
BLACK	C 120 VAC 50/60 Hz
BROWN	D CH. 1 LOOP INPUT
WHITE/BROWN	E CH. 1 LOOP INPUT
RED	F CH. 2 LOOP INPUT
WHITE/RED	G CH. 2 LOOP INPUT
GREEN	H CHASSIS GROUND
ORANGE	J CH. 3 LOOP INPUT
WHITE/ORANGE	K CH. 3 LOOP INPUT
YELLOW	L CH. 4 LOOP INPUT
WHITE/YELLOW	M CH. 4 LOOP INPUT
WHITE/BLUE	N OUTPUT CH. 1 N.O.
BLUE	P OUTPUT CH. 1 COM.
WHITE/VIOLET	R OUTPUT CH. 2 N.O.
VIOLET	S OUTPUT CH. 2 COM.
WHITE/GRAY	T OUTPUT CH. 3 N.O.
GRAY	U OUTPUT CH. 3 COM.
WHITE/GREEN	V OUTPUT CH. 4 N.O.

DETAIL 1  
N.T.S.

REFER TO DWG. TE-98129-485 FOR EQUIPMENT LAYOUT

EQUIPMENT ON THIS SHEET HAS BEEN ADDED TO CAMERA CABINETS CC35, CC38, CC39, CC40, CC42, CC43

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SEE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" FOR APPLICABLE STANDARD DRAWINGS

EQUIPMENT LIST				
REFERENCE	QTY	DESCRIPTION	MANUFACTURER	PART NUMBER
LD1	1	FOUR CHANNEL LOOP DETECTOR	CANOGA	5378/MS
OM1	1 (PER CABINET)	DATA TRANSCIVER OPTICAL MODEM	IFS	CC27: D9110E CC35: D9110 CC36: D9110 CC38: D9110 CC39: D9110 CC40: D9110 CC42: D9110 CC43: D9110E
PLC1	1	VERSAMAX MICRO 14 POINT PLC	GE FANUC	IC200UDR001
PS1	1	12VDC DIN RAIL MOUNTED POWER SUPPLY	IDEC	PS5R-B12
RL1	1	120V RELAY	IDEC	RM25-U
		RELAY BASE	IDEC	SM25-05
TB1	AS REQ.	WDU4 TERMINAL	WEIDMULLER	102010
		WPE4 GROUND TERMINAL		101010
		WAP2.5-10 END SECTION		105000
		WEW 35/2 END BRACKET		106120
		WTW 2.5-10 PARTITION		105010
		WSI 6/2 FUSE TERMINAL		101400
		WQV4 JUMPER BAR		AS REQ.
		TS35 MOUNTING BAR		38340

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DESIGNED BY I.S. DATE DEC02 CHECKED BY P.B. DATE DEC02  
M.O.T. ELECTRICAL DESIGN REVIEW DATE

REV	DATE	DESCRIPTION	DRAWN
OCT01		DRAWING ISSUED FOR VMS WORK BY MOT	PBA
A	MAY02	COUNTERFLOW STATUS WIRING ADDED	PBA
B	DEC02	ISSUED FOR TENDER	PBA
C	MAR03	ISSUED FOR CONSTRUCTION	PBA
D	JAN04	RECORD DRAWING	PBA

MINISTRY OF TRANSPORTATION  
ELECTRICAL ENGINEERING CENTRE

BRITISH COLUMBIA

GEORGE MASSEY TUNNEL COUNTERFLOW SYSTEM  
ROUTE 99 - STEVESTON HIGHWAY 1/C TO ROUTE 17 1/C  
RICHMOND/DELTA

CAMERA CABINETS - WIRING DIAGRAM  
VMS DETECTOR STATION

ELECTRICAL ENGINEER OF RECORD (FOR CURRENT REVISION)

DATE

SHEET NUMBER	SITE CODE	HWY DIST	REGION	DRAWING NUMBER
SHEET	OF			TE-98129-486

REC-408/01