

NOTES

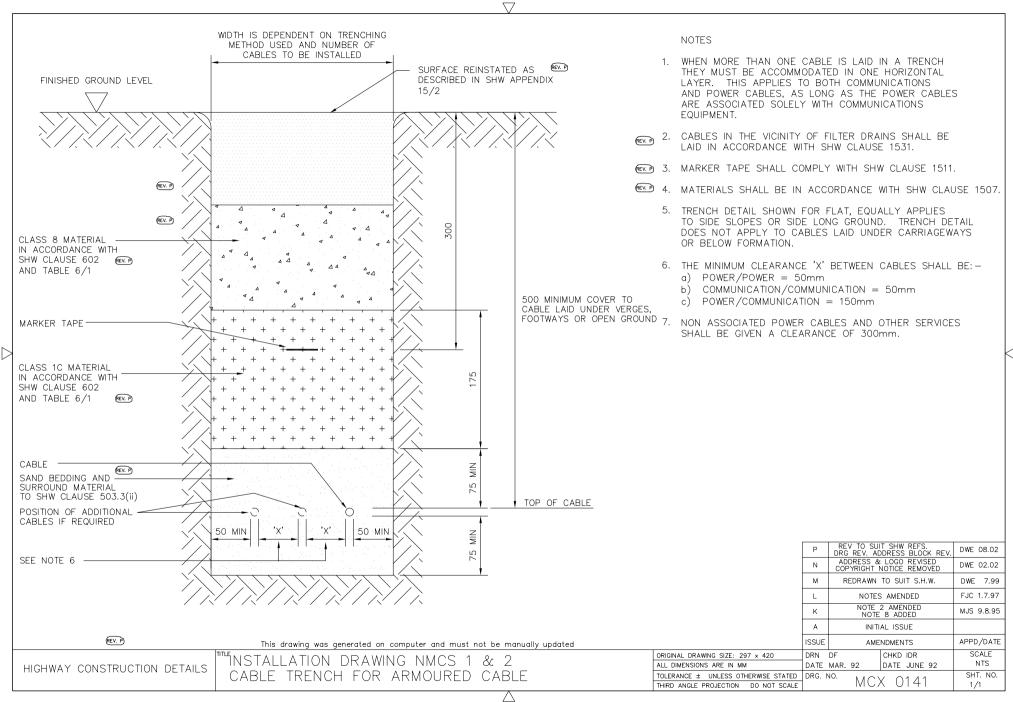
- 1. The foundation arrangement shown on this drawing is a 'Plinth 610'.
- 2. Materials to be galvanised steel skirt and galvanised steel foundation frame manufactured as Drawing MCX 0035 with ST5 concrete to SHW Clause 2602.
- 3. The steel skirt shall be braced to maintain its shape during placing of the concrete.
- 4. The details of foundation shall be designed to take account of local soil conditions and be as described in SHW Appendix 15/1.
- 5. Unless site conditions dictate otherwise the plan area of the concrete plinth shall be 900 x 900 to facilitate the laying of adjacent 600 x 600 paving slabs.
- 6. Paved areas shall be constructed with a gentle fall away from the finished level of the concrete plinth to prevent water pooling on the plinth. In locations where paving slabs cannot be laid to a fall the plinth shall be 50mm above the surrounding slab level. Soft ground level in contact with sides of the plinth shall be 50mm below top of plinth.
- 7. A minimum of three 100mm nominal size diameter ducts shall be provided entering the plinth cavity beneath the foundations. The actual number and layout of ducts shall be determined by the specific site cabling layout. See Drawing MCX 0153 for typical layouts.
- 8. Dimension 'X' shall be the greater of 400mm or the depth of the duct at the edge of the plinth or the edge of the paved area. (This requirement is to prevent excavation slippage when the cabinets are being recabled.)

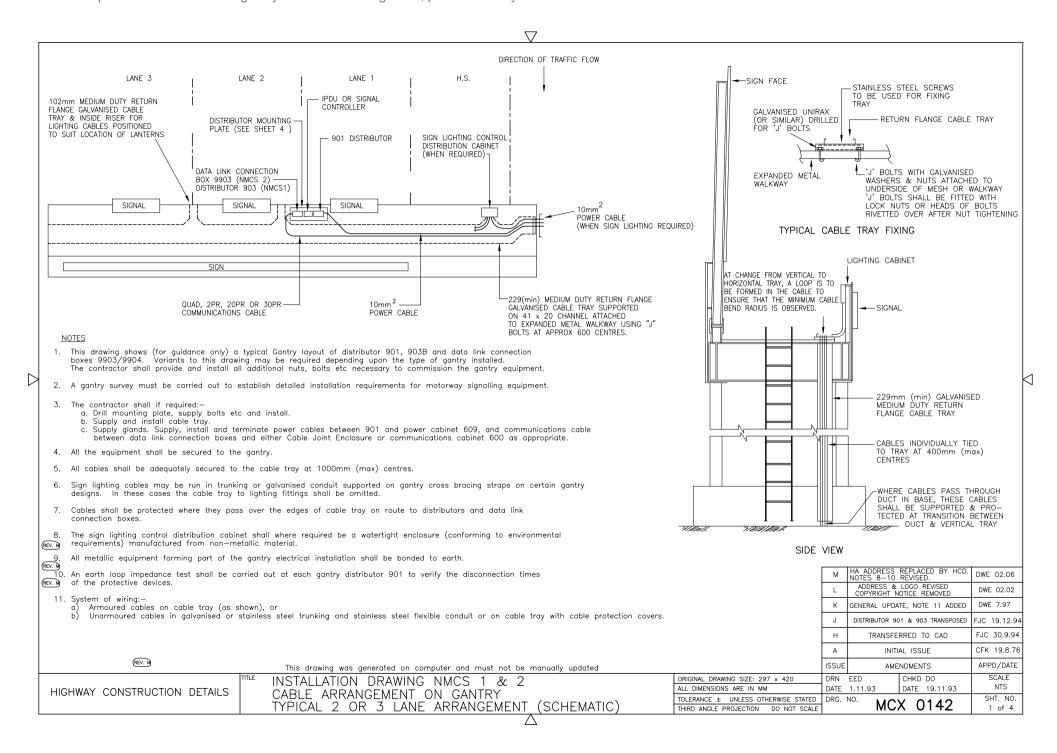
	S		S SIZE AMENDED OTE 5	DWE 08.05
	R	NOTE 2	AMENDED	DWE 11.03
	Q	REV TO SU ADDRESS B	IT SHW REFS. LOCK REV,	DWE 08.02
	Р	ADDRESS & COPYRIGHT	: LOGO REVISED NOTICE REMOVED	DWE 02.02
	N	GENERA	LLY UPDATED	FJC 1.7.97
	Α	INITI	AL ISSUE	
	ISSUE	AME	NDMENTS	APPD/DATE
ORIGINAL DRAWING SIZE: 297 x 420	DRN	R.A	CHKD D.OWEN	SCALE
ALL DIMENSIONS ARE IN MM	DATE	20.8.93	DATE 13.6.94	NTS
TOLERANCE ±1 UNLESS OTHERWISE STATED THIRD ANGLE PROJECTION DO NOT SCALE	DRG. I	NO. MC	X 0140	SHT. NO. 1/1

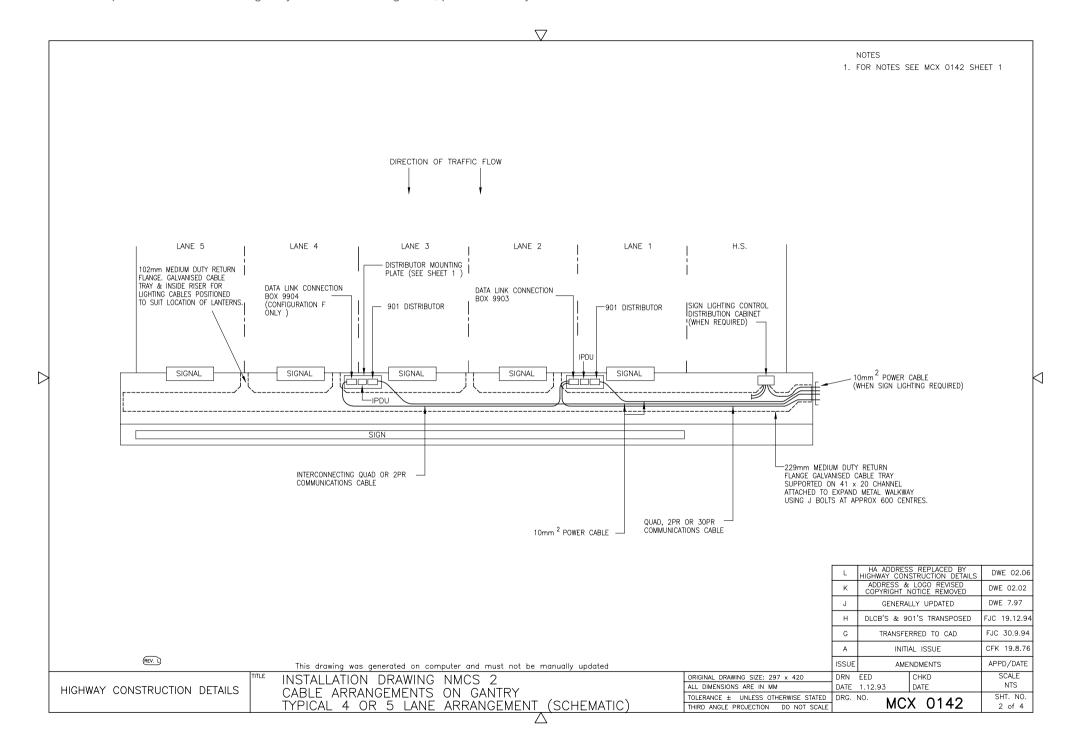
This drawing was generated on computer and must not be manually updated

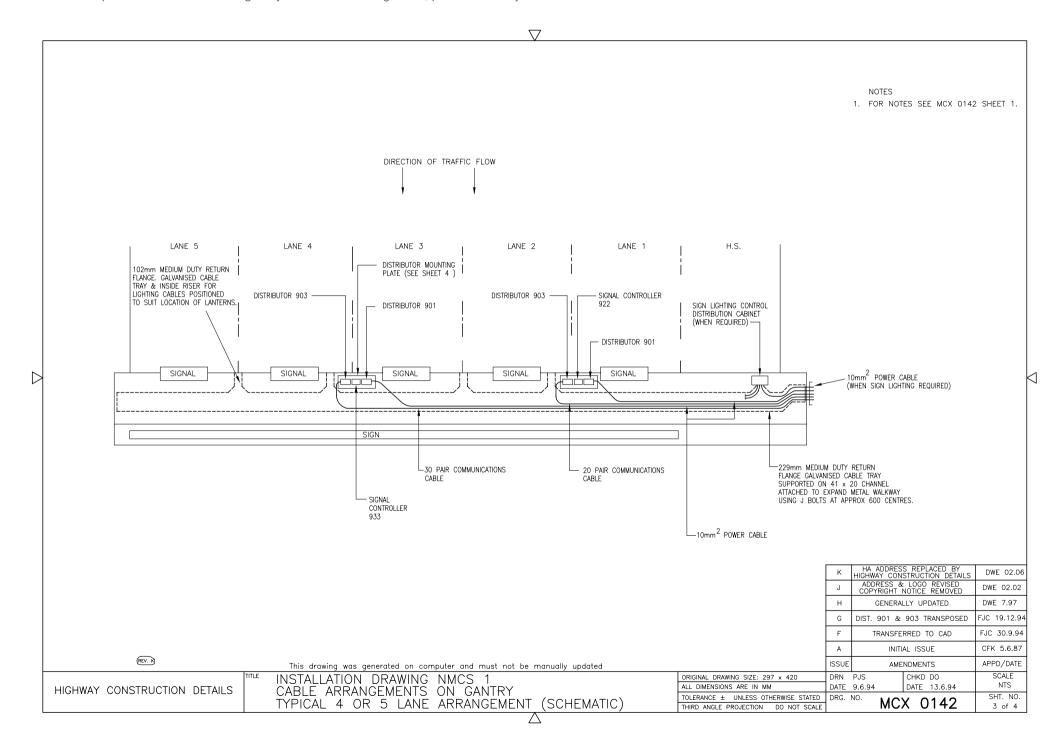
HIGHWAY CONSTRUCTION DETAILS

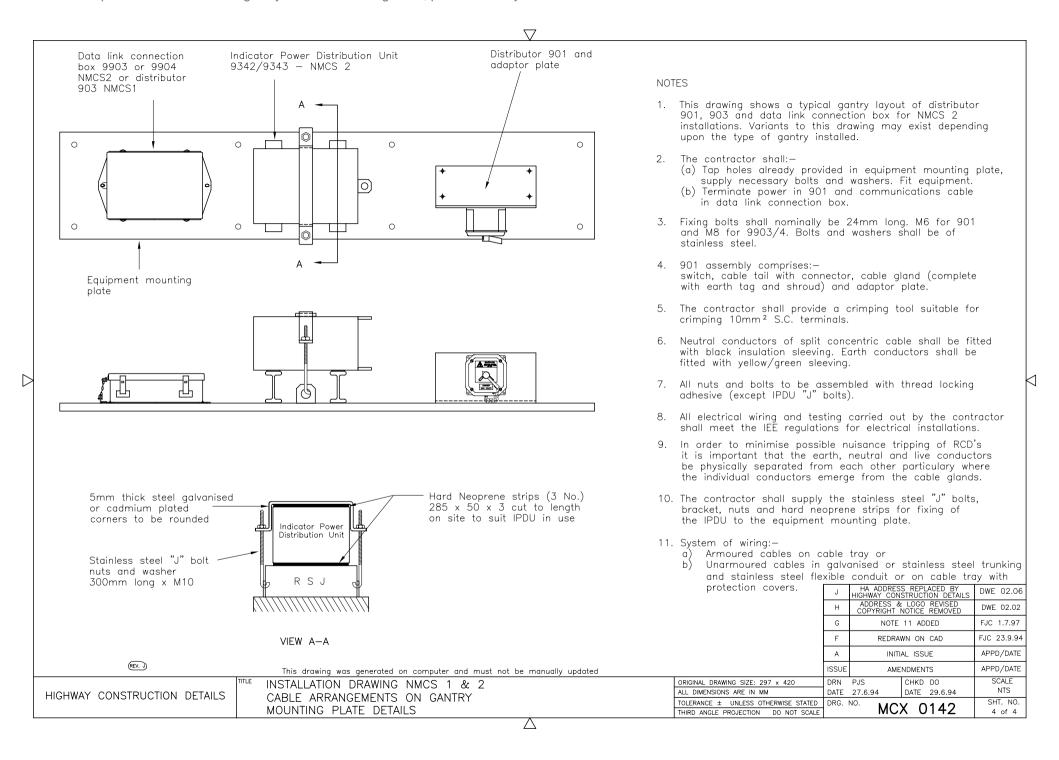
INSTALLATION DRAWING NMCS FOUNDATION FOR CABINETS (600, 609 AND 617)

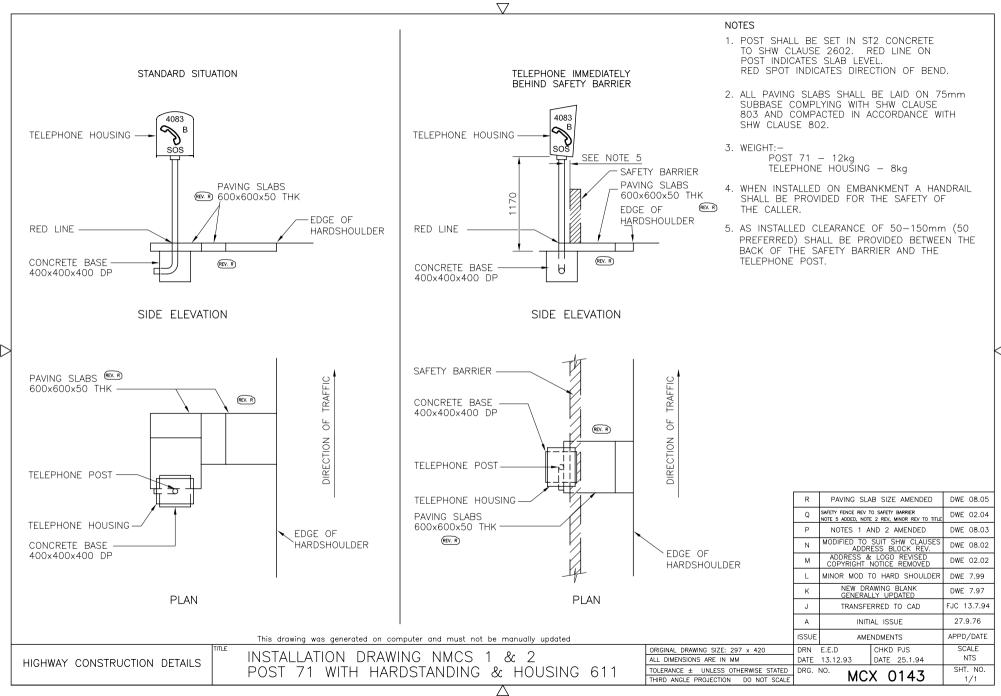


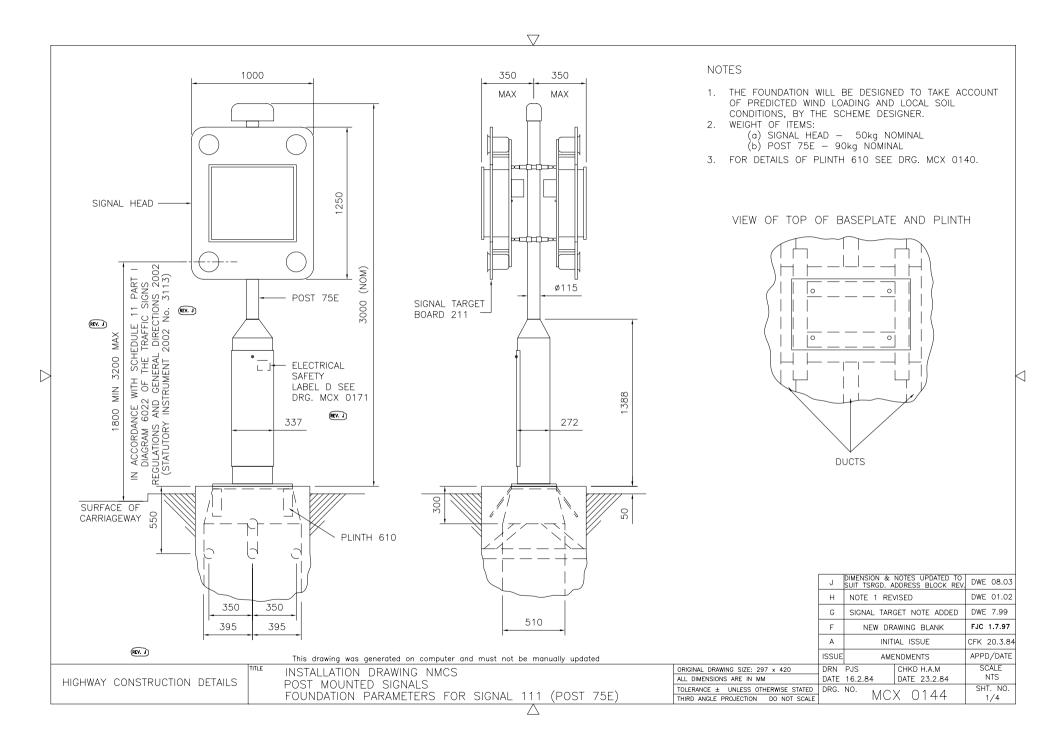


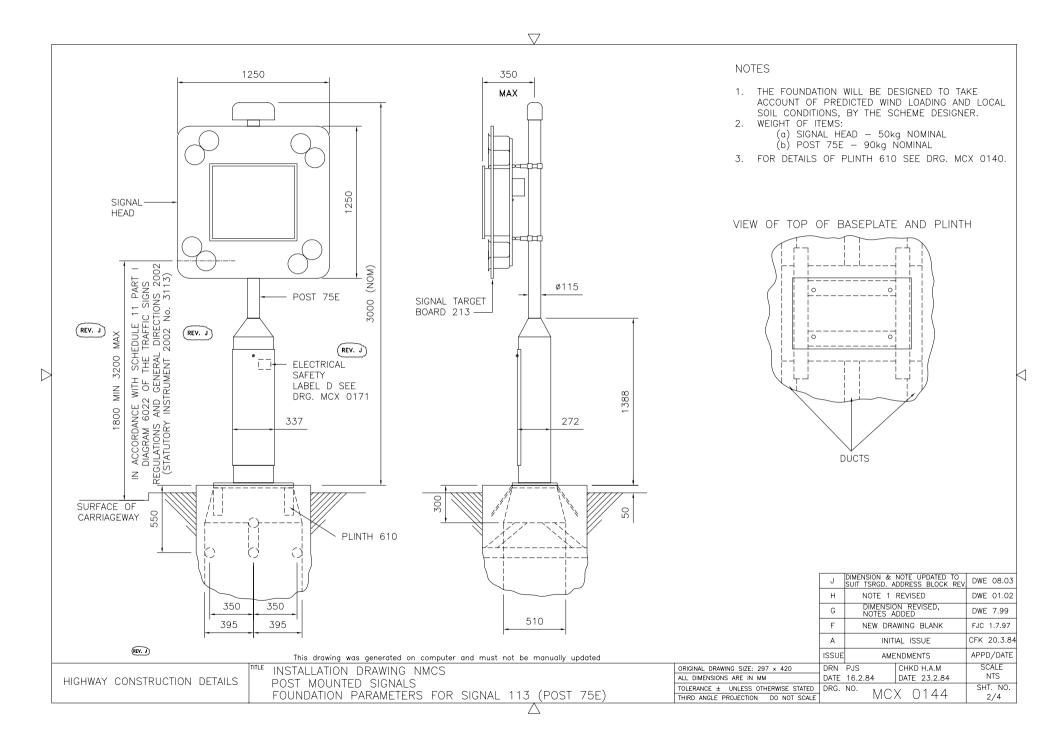


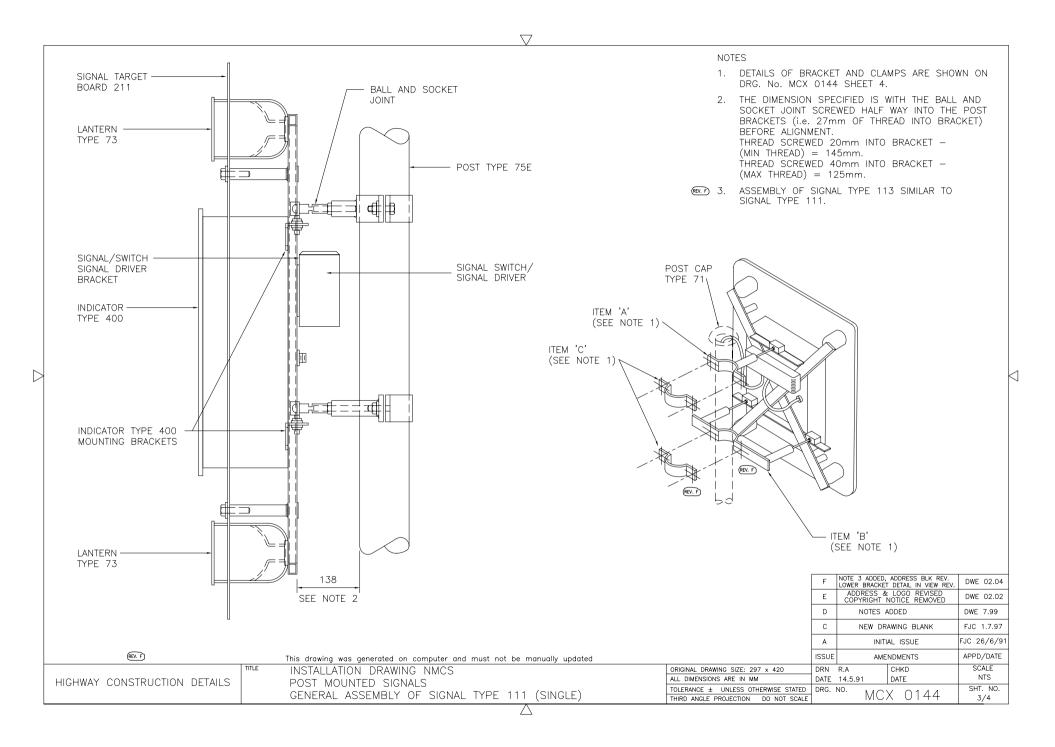


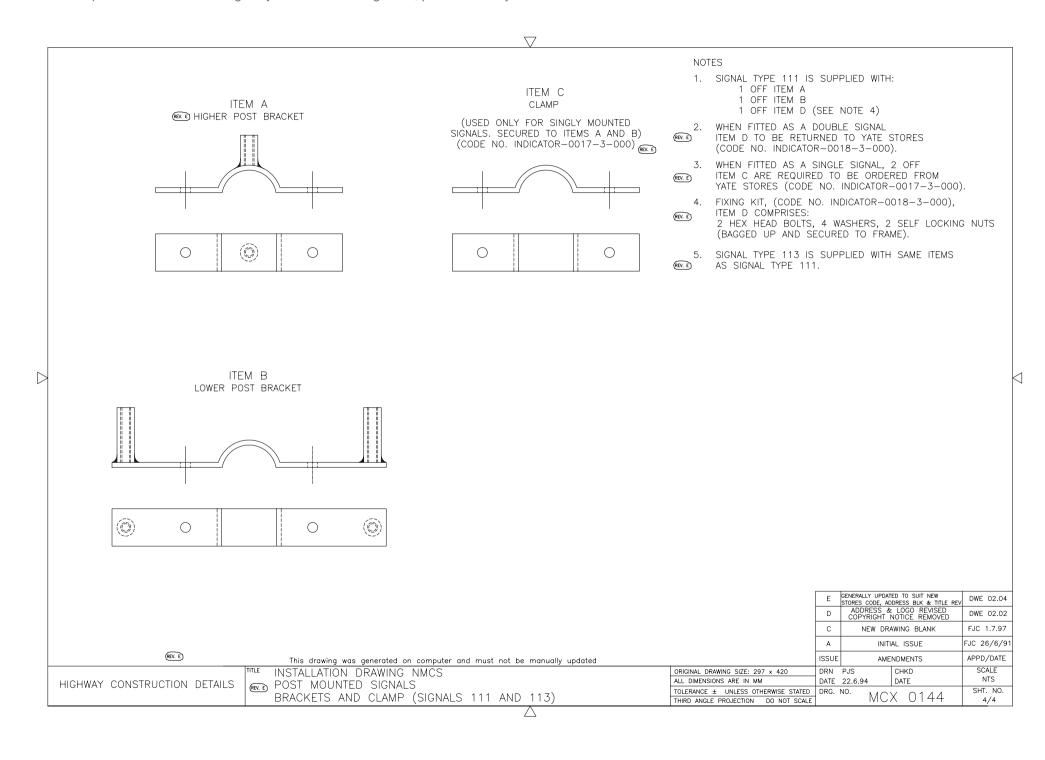


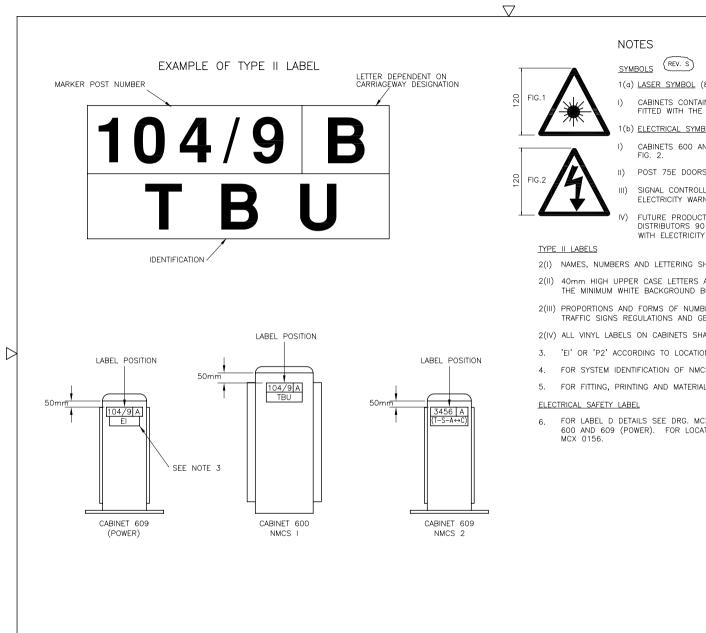












- (REV. S) 1(a) LASER SYMBOL (8.B.0055 TO BS 5499-5)
- CABINETS CONTAINING LASER OPERATED EQUIPMENT (i.e. FIBRE OPTIC) DOORS TO BE FITTED WITH THE SYMBOL AS SHOWN IN FIG. 1.
- 1(b) <u>ELECTRICAL SYMBOL</u> (8.A.0044 TO BS 5499-5) (REV. S)
- CABINETS 600 AND 609 (POWER) DOORS TO BE FITTED WITH THE SYMBOL AS SHOWN IN
- POST 75E DOORS TO BE FITTED WITH THE SYMBOL AS SHOWN IN FIG. 2.
- SIGNAL CONTROLLERS, IPDU'S AND DISTRIBUTOR 901 AND 902 TO BE FITTED WITH ELECTRICITY WARNING LABELS (LABEL C) AS SHOWN ON DRG. MCX 0171 SHT. 1.
- FUTURE PRODUCTION OF CABINET 600, POST 75F, SIGNAL CONTROLLERS, IPDU's. DISTRIBUTORS 901 AND 902 AND DATA LINK CONNECTION BOXES 9902 SHALL BE FITTED WITH ELECTRICITY WARNING LABELS (LABEL C) AS SHOWN ON DRG. MCX 0171 SHT. 1.
- 2(I) NAMES, NUMBERS AND LETTERING SHALL BE SPECIFIED BY THE OVERSEEING ORGANISATION.
- 2(II) 40mm HIGH UPPER CASE LETTERS AND NUMBERS TO BE USED FOR CABINET 600 AND 609 LABELS. THE MINIMUM WHITE BACKGROUND BORDER FOR SURROUNDING THE LETTERS/NUMBERS IS 12mm.
- 2(III) PROPORTIONS AND FORMS OF NUMBERS/LETTERS TO BE AS SPECIFIED IN SCHEDULE 13 PART II OF THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002 (STATUTORY INSTRUMENT 2002 No. 3113).
- 2(IV) ALL VINYL LABELS ON CABINETS SHALL BE EDGE SEALED WITH A SUITABLE CLEAR VARNISH
- 'EI' OR 'P2' ACCORDING TO LOCATION AND USE (SEE DRG. MCX 0145 SHTS. 2 AND 3).

- FOR SYSTEM IDENTIFICATION OF NMCS1 AND 2 TYPE II LABELS SEE DRG. MCX 0145 SHT. 4.
- FOR FITTING, PRINTING AND MATERIAL DETAILS FOR FIGS. 1 AND 2 SEE DRG. MCX 0171 SHT. 2.

FOR LABEL D DETAILS SEE DRG. MCX 0171 SHT. 1. THIS LABEL TO BE FITTED TO ALL POSTS, CABINETS 600 AND 609 (POWER). FOR LOCATION OF LABEL SEE DRG. MCX 0139, MCX 0144, MCX 0145 AND

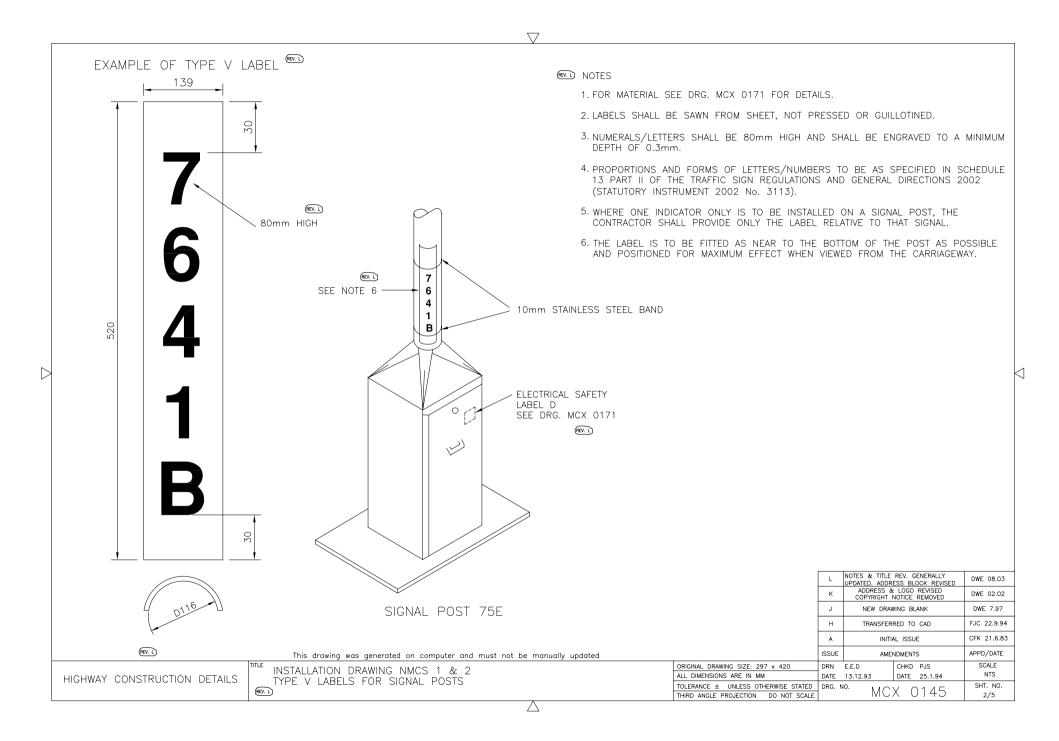
	S		DARD CHANGES	DWE 02.06
		NOTES REV, LA & ADDRESS B	ABEL DIAGRAMS REV. LOCK REVISED	DWE 08.03
	Р	NOTES 21 AND CAB 609 REV		DWE 01.02
	N	NOTE 1	REVISED	DWE 7.99
	М	NEW DR	AWING BLANK	DWE 7.97
	L	TRANSFE	RRED TO CAD	FJC 23.9.94
	Α	INITI	AL ISSUE	1993
	ISSUE	AME	NDMENTS	APPD/DATE
ORIGINAL DRAWING SIZE: 297 x 420	DRN	E.E.D	CHKD PJS	SCALE
ALL DIMENSIONS ARE IN MM	DATE	13.12.93	DATE 25.1.94	NTS
TOLERANCE ± UNLESS OTHERWISE STATED	DRG.	NO. MC	X 0145	SHT. NO.
THIRD ANGLE PROJECTION DO NOT SCALE		IVI C	^ UI43	1 of 5

NOTES 1- AND 11 DEVICED

This drawing was generated on computer and must not be manually updated

HIGHWAY CONSTRUCTION DETAILS

INSTALLATION DRAWING NMCS 1 & 2 LABELS FOR CABINETS 600, 609 & POST 75



EXAMPLE OF TYPE I LABEL (REV. G) (REV. G) NOTES 1. NAMES, NUMERALS AND LETTERING SHALL BE SPECIFIED BY THE OVERSEEING ORGANISATION. 2. 100mm HIGH UPPER CASE LETTERS/NUMERALS SHALL BE USED FOR MOTORWAY GANTRY LABELS. THE MINIMUM WHITE BACKGROUND BORDER FOR SURROUNDING THE LETTERS/NUMERALS SHALL BE 3. PROPORTIONS AND FORMS OF LETTERS/NUMBERS TO BE AS SPECIFIED IN SCHEDULE 13 PART II OF THE TRAFFIC SIGN REGULATIONS AND GENERAL DIRECTIONS 2002 (STATUTORY INSTRUMENT 2002 No. 3113). 4. VINYL LABELS SHALL BE 'FLOATED' ON WITH SOAP AND WATER. 5. ALL EXTERIOR SURFACES SHALL BE THOROUGHLY CLEANED BEFORE VINYL LABELS ARE APPLIED. 6. FOR MATERIAL SEE DRG. MCX 0171 FOR DETAILS. 7. ONE LABEL SHALL BE APPLIED ON EACH LEG OF THE GANTRY FACING TRAFFIC, 2m ABOVE ROAD LEVEL. LETTER DEPENDANT ON CARRIAGEWAY DESIGNATION NOTES REVISED, TITLES REV. ADDRESS BLOCK REVISED DWE 08.03 G NOTE 1 REVISED DWE 01.02 NEW DRAWING BLANK DWE 7.97 D TRANSFERRED TO CAD FJC 22.9.94 Α INITIAL ISSUE CFK 10/6/87 REV. G ISSUE AMENDMENTS APPD/DATE This drawing was generated on computer and must not be manually updated DRN E.E.D CHKD PJS SCALE ORIGINAL DRAWING SIZE: 297 x 420 INSTALLATION DRAWING NMCS 1 & 2 NTS DATE 13.12.93 DATE 25.1.94 ALL DIMENSIONS ARE IN MM HIGHWAY CONSTRUCTION DETAILS TYPE I LABELS FOR GANTRIES SHT. NO. TOLERANCE ± UNLESS OTHERWISE STATED DRG. NO. MCX 0145 THIRD ANGLE PROJECTION DO NOT SCALE 3/5

NMCS 1 SYSTEM IDENTIFICATION

CABINET DESIGNATION	IDENTIFICATION
RESPONDER 600	R
COMM's 600 & 609	С
POWER 609	Р
ELECTRICITY SUPPLY COMPANY INTERFACE	El
PRIVATE WIRE 620	PW
LOOP DETECTOR 600	LD
TELE BRIDGE UNIT 600	TBU
OPTICAL FIBRE	OF
T.V. EQUIPMENT 600	TV
PSTN TELEPHONE 609	PSTN
BATTERY EQUIPMENT 600	BATT

NMCS 2 SYSTEM IDENTIFICATION

CABINET 600 EQUIPMENT	CODE	LOCAL ELECTRONICS EQUIPMENT CODE
TELEPHONE RESPONDER	TR	N/A
SIGNAL TRANSPONDER	ST	N/A
ATS TRANSPONDER	AT	A
MIDAS TRANSPONDER	MT	М
VMS DRIVER	VT	V
EMS DRIVER	EMS	N/A
MS2 DRIVER	MS2	N/A
LIGHTING CONTROL	L	N/A
OPTICAL FIBRE	OF	N/A
CCTV	TV	N/A
MIDAS DETECTOR	MD	N/A
COMMS.	С	N/A
AUTOMATIC NUMBER PLATE RECOGNITION	AR	N/A
CABINET 609 EQUIPMENT	CODE	
TELEPHONES	Т	
SIGNALS	S	
ATS	A	
MIDAS	М	
VMS	V	
EMS	E	
LIGHTING CONTROL	L	
COMMS. 615 JB	С	
POWER 609	Р	

EXAMPLES OF EXTERNAL NMCS 2 LABELS ILLUSTRATED BELOW

a) CABINET 600 HOUSING A TELEPHONE RESPONDER AND A SIGNAL TRANSPONDER.

123/4A
(TR-ST)

b) CABINET 600 HOUSING AN ATS TRANSPONDER PLUS LOCAL OUTSTATION EQUIPMENT.

c) CABINET 609 WITH TRANSMISSION BOX 615 AND LOCAL BOX 615 CONTAINING LOCAL CABLES FOR TELEPHONES, SIGNAL POST AND LOOP SITE.

d) CABINET 609 CONTAINING TRANSMISSION BOX 615 ONLY.

234/5B				
(- C)				

e) CABINET 609 CONTAINING TRANSMISSION BOX 615 AND LOCAL BOX 615 CONTAINING LOCAL CABLE TO SIGNAL TRANSPONDER CABINET 600.

5	43/2/	4
(ST		C)

ORIGINAL DRAWING SIZE: 297 x 420

THIRD ANGLE PROJECTION DO NOT SCALE

TOLERANCE ± UNLESS OTHERWISE STATED DRG. NO.

ALL DIMENSIONS ARE IN MM

--- ARROWS INDICATE EQUIPMENT SIDE OF CABINET

L	NEW SYMBOL EQUIPMENT	ADDED TO CAB 600	DWE 02.06
К	ADDRESS	DWE 08.03	
J	LABEL D	DWE 01.02	
Н	NEW DRA	FJC 1.7.97	
Α	INITI	CFK '87	
ISSUE	AME	APPD/DATE	
DRN	RA	CHKD	SCALE
DATE	16 / 03	DATE 5687	NTS

MCX 0145

SHT. NO.

4 of 5

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HIGHWAY CONSTRUCTION DETAILS

INSTALLATION DRAWING NMCS 1 & 2 SYSTEM IDENTIFICATION OF LABELS FOR CABINETS AND POSTS 75/85

ELECTRICITY SUPPLY COMPANY INTERFACE

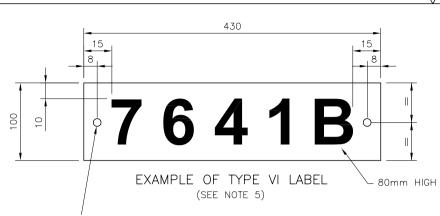
OPTICAL FIBRE

FOG

(REV. L)

ΕI OF

F



2 OFF Ø4.5 CLEARANCE HOLES FOR 2 M4 STAINLESS STEEL HEX HEAD BOLTS 16mm LONG EACH WITH STAINLESS STEEL NUT AND 2 STAINLESS STEEL SHAKEPROOF WASHERS.

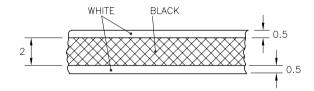
NOTE - ALL FRONT FACING BOLT HEADS TO BE FINISHED IN MATT BLACK

SIGNAL 113 SIGNAL 111 POSITION OF TYPE VI LABEL

NOTES

- 1. MATERIAL TO BE 3mm SANDWICH LAMINATED SHEET TO BS 3757.
 - 2. LABELS SHALL BE SAWN FROM SHEET, NOT PRESSED OR GUILLOTINED.
 - 3. NUMERALS AND LETTERING SHALL BE 80mm HIGH AND ENGRAVED TO A MINIMUM DEPTH OF 0.6mm.
 - 4. PROPORTIONS AND FORMS OF NUMERALS AND LETTERING TO BE AS SPECIFIED IN SCHEDULE 13 PART II OF THE TRAFFIC SIGNS REGULATIONS AND GENERAL DIRECTIONS 2002 (STATUTORY INSTRUMENT 2002 No. 3113). THE NUMERALS AND LETTERS TO BE SPACED AS EVENLY AS POSSIBLE ON THE LABEL.
- (REV. F) 5. SIGNAL ADDRESS TO BE DISPLAYED.

6. THIS LABEL IS AN ALTERNATIVE TO THAT ON MCX 0145 SHEET 2. THE CONTRACT WILL STATE WHICH IS TO BE FITTED.



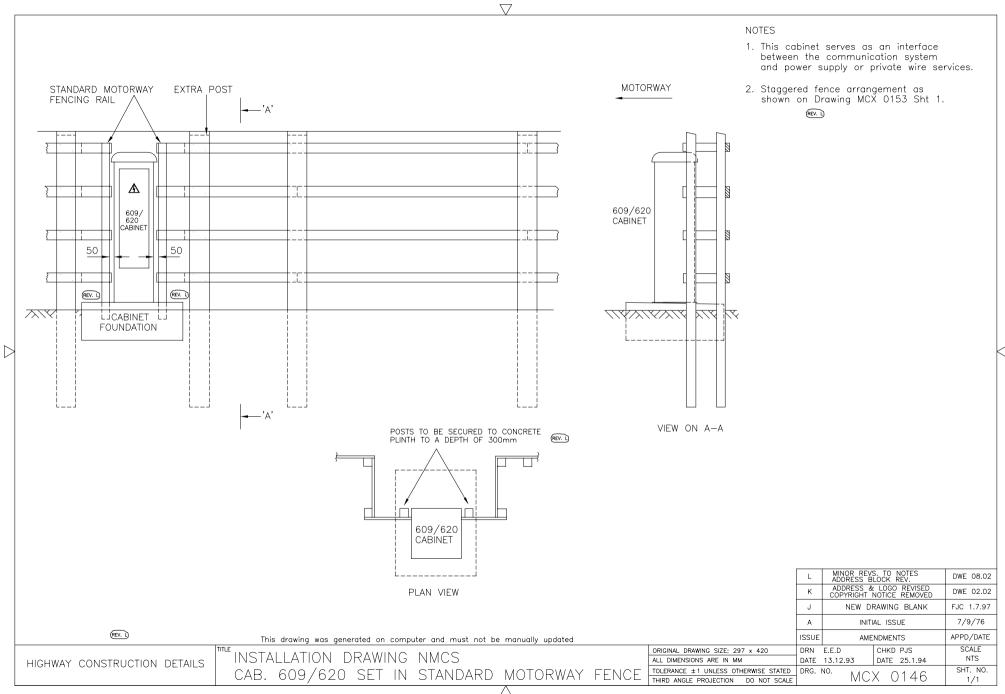
CROSS SECTION OF LAMINATED SHEET

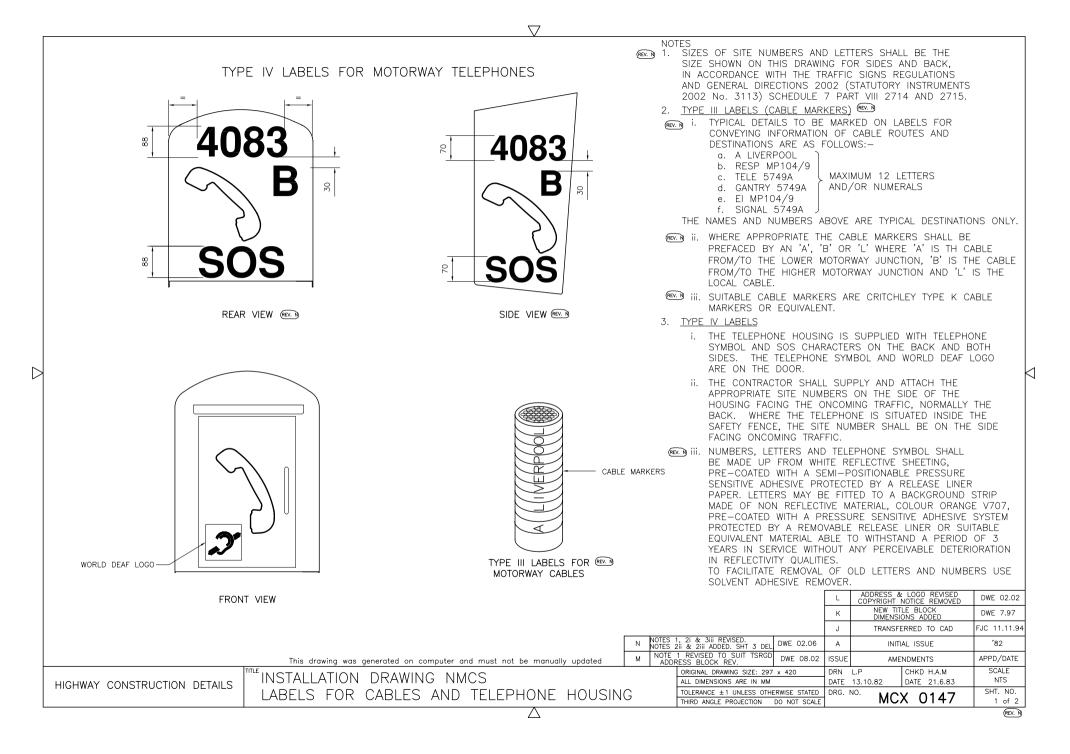
	F	NOTES 1 A	ND 5 REVISED.	DWE 02.06
	E TYPE VI LABEL & NOTES REVISED ADDRESS BLOCK REVISED		DWE 08.03	
	D		: LOGO REVISED NOTICE REMOVED	DWE 02.02
	С	NEW DR	AWING BLANK	DWE 7.97
	B TRANSFERRED TO CAD		FJC 22.9.94	
	A INITIAL ISSUE		FJC 9/11/90	
	ISSUE	AME	NDMENTS	APPD/DATE
ORIGINAL DRAWING SIZE: 297 x 420	DRN	E.E.D	CHKD PJS	SCALE
ALL DIMENSIONS ARE IN MM	DATE	13.12.93	DATE 25.1.94	NTS
TOLERANCE ± UNLESS OTHERWISE STATED	DRG.	NO.	V 0145	SHT. NO.
THIRD ANGLE PROJECTION DO NOT SCALE		MC.	X 0145	5 of 5

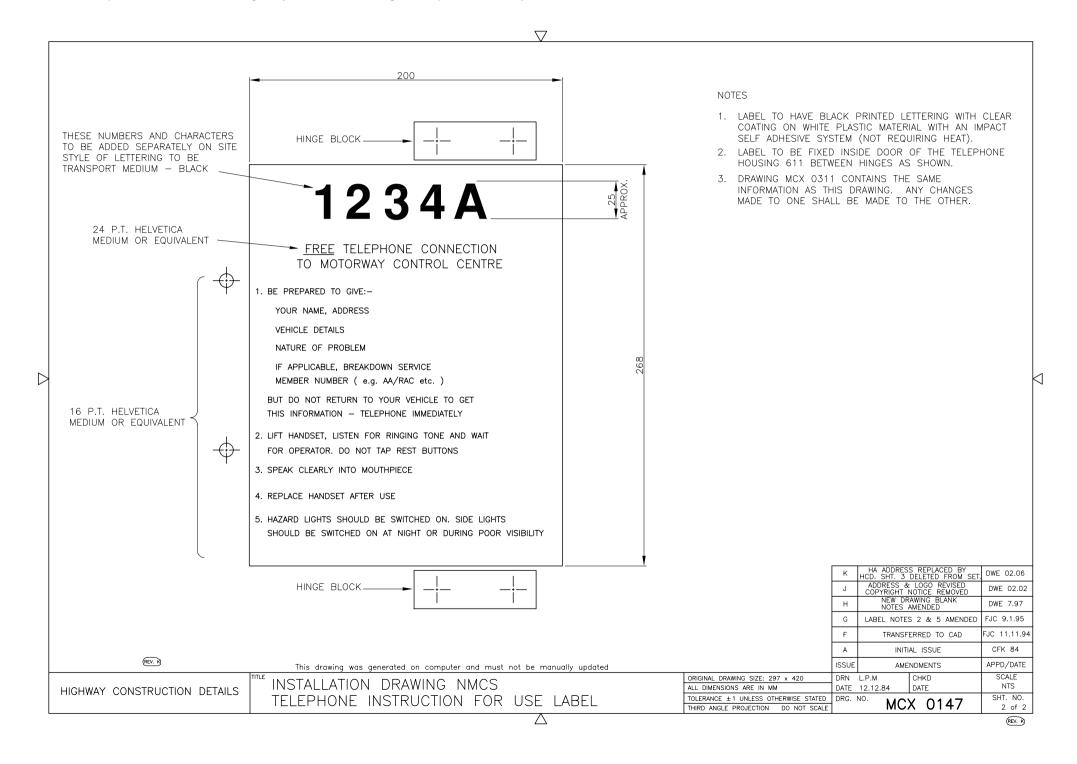
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HIGHWAY CONSTRUCTION DETAILS

INSTALLATION DRAWING NMCS TYPE VI LABEL FOR TARGET BOARDS







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MCX 0148 NOT USED

