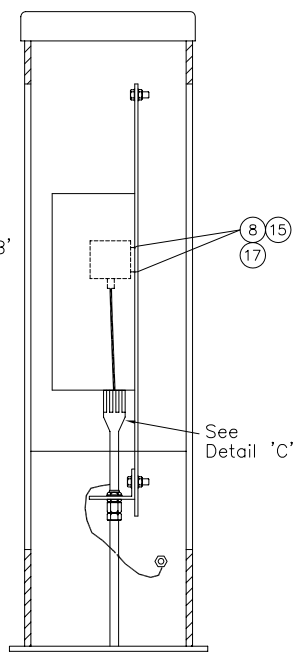
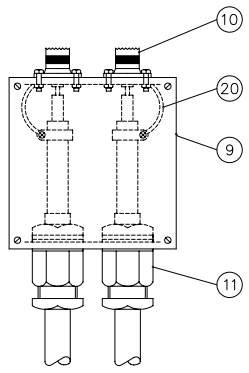


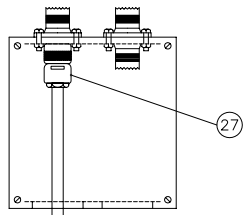
Front View



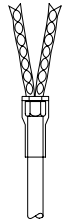
Side View



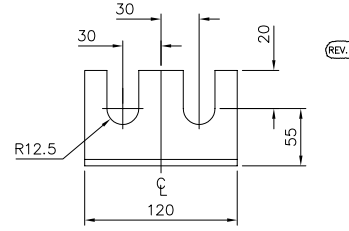
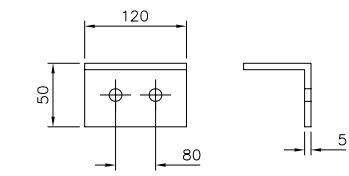
DETAIL A



DETAIL B

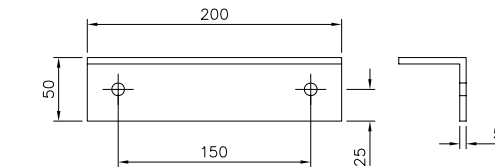


DETAIL C



DETAIL D

Material: Galvanised Steel  
5mm thick



DETAIL E

Material: Galvanised Steel  
5mm thick

NOTES

1. Refer to MCX 0552 sheet 2 for Parts List.
2. FOR CABLES MANUFACTURED TO MCE 2051 (ARMOURED COMPOSITE COAXIAL CABLES)  
DETAIL 'A' is for the termination of the two coaxial tubes. The connector item 20 is to be coloured the same as the coaxial marker.  
DETAIL 'C' is the method of glanding the inner sheath.  
DETAIL 'E' is the method of glanding the armour.
3. FOR CABLES MANUFACTURED TO TR 2152 (NON ARMoured COAXIAL)  
DETAIL 'B' is for the termination of coaxial. Where 2 coaxial cables are to be terminated the sec
4. FOR CABLES TO BE MANUFACTURED TO TR 2160 (ARMoured COAXIAL).  
DETAIL 'B' is for the termination of coaxial. Where 2 coaxial cables are to be terminated the second coaxial is located on the right. Both cables are to enter the gland item 12 with the use of an additional sealant plug.  
DETAIL 'D' is the method of glanding the armour. DETAIL 'D' is to be fitted to the backboard above the location of DETAIL 'E'.  
If copper cables are required in conjunction with the coaxial, authorisation from the Overseeing Organisation is to be obtained.

(REV. B)

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

HIGHWAY CONSTRUCTION DETAILS

TITLE  
INSTALLATION DRAWING  
CO-AXIAL CABLE TERMINATION

ORIGINAL DRAWING SIZE: 297 x 420  
ALL DIMENSIONS ARE IN MM  
TOLERANCE ± UNLESS OTHERWISE STATED  
THIRD ANGLE PROJECTION DO NOT SCALE

E	HA ADDRESS REPLACED BY HCD NOTE 3 REV TO SUIT SPEC AMD.	DWE 02.06
D	NOTES 3 & 4 REVISED	DWE 01.02
C	NEW DRAWING BLANK	FJC 1.7.97
A	INITIAL ISSUE	LI 11.7.91
ISSUE	AMENDMENTS	APPD/DATE
DRN	PJS	CHKD
DATE	11.7.91	DATE
DRG. NO.	MCX 0552	SHT. NO. 1 of 2

NOTES

1. If alternative items are used the contractor shall demonstrate their suitability prior to installation commencing.

COMPONENT LIST FOR CO-AXIAL TERMINATION

Item	Description	Supplier (see note)		Quantity		
				Quantity for one cable manufactured to:		
				MCE 2051	TR 2152	TR 2160
1	Enclosure	Klockner Moeller	U-C143-X	1 per installation		
2	Lid	Klockner Moeller	C143-125	1 per installation		
3	Base plate	Klockner Moeller	M3-C143	1 per installation		
4	Fixing straps	Klockner Moeller	BL-CI	4 per installation		
				MCE 2051	TR 2152	TR 2160
5	Back mount frame	Austin Taylor	3 x 22mm bracket	1	-	-
6	IDC block	Austin Taylor	QDF-EID-R	2	-	-
7	Terminal strip	Klippon	BK 12 1989 2	1	-	-
8	Spacers	RS Components	RS 606-692	4	4	4
9	Box	RS Components	RS 507-955	1	1	1
10	UHF connector	RS Components	RS 455-725	2	-	-
11	Cable gland	RS Components	RS 544-033	2	-	-
12	Cable gland	Signaform	CES 3 FR	1	1	1
13	Gland plate DETAIL 'E'	Cable Link		1	-	-
14	M3 nuts			18	12	12
15	M3.5 nuts			2	-	-
16	M3 screws x 10			16	12	12
17	M3.5 screws x 10			2	-	-
18	M3 screws x 25			2	-	-
19	Earth clips	Min. Ins. Copper Clips		2	-	-
20	Earth lead	Green/Yellow 1mm x 30mm with two 3mm eye		2	-	-
21	Earth lead	Green/Yellow 6mm x 120mm with two 6mm eye		1	1	1
22	Earth lead	Green/Yellow 6mm x 700mm with two 6mm eye		1	1	1
23	EIW 40 glands			1	-	-
24	Gland plate DETAIL 'D'	Cable Link		-	-	1
25	EIW 25 glands			-	-	2
26	N type jack to jack	Green Par		-	2	2
27	N type connector	Green Par		-	2	2

E	HA ADDRESS REPLACED BY HIGHWAY CONSTRUCTION DETAILS	DWE 02.06		
D	ADDRESS & LOGO REVISED COPYRIGHT NOTICE REMOVED	DWE 02.02		
C	NEW DRAWING BLANK	FJC 1.7.97		
A	INITIAL ISSUE	LI 12.8.91		
ISSUE	AMENDMENTS	APPD/DATE		
DRN	EED	CHKD DO	SCALE	
DATE	1.11.93	DATE	19.11.93	NTS
DRG. NO.	MCX 0552		SHT. NO.	
TOLERANCE ± UNLESS OTHERWISE STATED			2 of 2	
THIRD ANGLE PROJECTION	DO NOT SCALE			

REV. B

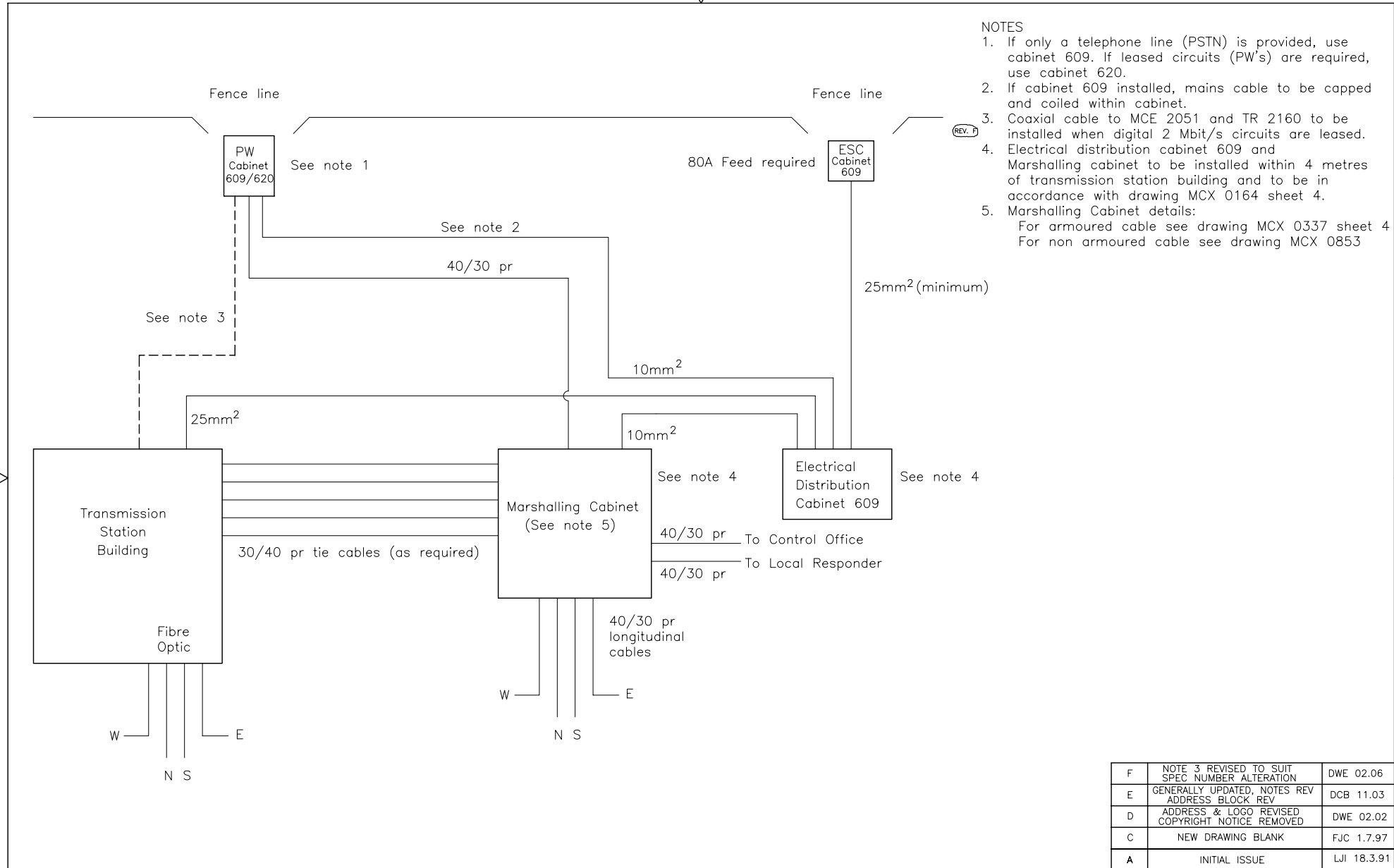
This drawing was generated on computer and must not be manually updated

HIGHWAY CONSTRUCTION DETAILS	TITLE INSTALLATION DRAWING CO-AXIAL TERMINATION COMPONENT LIST	ORIGINAL DRAWING SIZE: 297 x 420	DRN	EED	CHKD DO	SCALE
		ALL DIMENSIONS ARE IN MM	DATE	1.11.93	DATE	19.11.93
		TOLERANCE ± UNLESS OTHERWISE STATED	DRG. NO.	MCX 0552		SHT. NO.
		THIRD ANGLE PROJECTION	DO NOT SCALE			2 of 2

**MCX 0553 – 0559**  
**NOT USED**

NOTES

1. If only a telephone line (PSTN) is provided, use cabinet 609. If leased circuits (PW's) are required, use cabinet 620.
2. If cabinet 609 installed, mains cable to be capped and coiled within cabinet.
3. Coaxial cable to MCE 2051 and TR 2160 to be installed when digital 2 Mbit/s circuits are leased.
4. Electrical distribution cabinet 609 and Marshalling cabinet to be installed within 4 metres of transmission station building and to be in accordance with drawing MCX 0164 sheet 4.
5. Marshalling Cabinet details:  
For armoured cable see drawing MCX 0337 sheet 4  
For non armoured cable see drawing MCX 0853



F	NOTE 3 REVISED TO SUIT SPEC NUMBER ALTERATION	DWE 02.06
E	GENERALLY UPDATED, NOTES REV ADDRESS BLOCK REV	DCB 11.03
D	ADDRESS & LOGO REVISED COPYRIGHT NOTICE REMOVED	DWE 02.02
C	NEW DRAWING BLANK	FJC 1.7.97
A	INITIAL ISSUE	LJI 18.3.91
ISSUE	AMENDMENTS	APPD/DATE
DRN	PJS	CHKD DF
DATE	2.4.93	DATE 2.6.93
DRG. NO.	SCALE	
	MCX 0560	
	SHT. NO.	
	1 of 1	

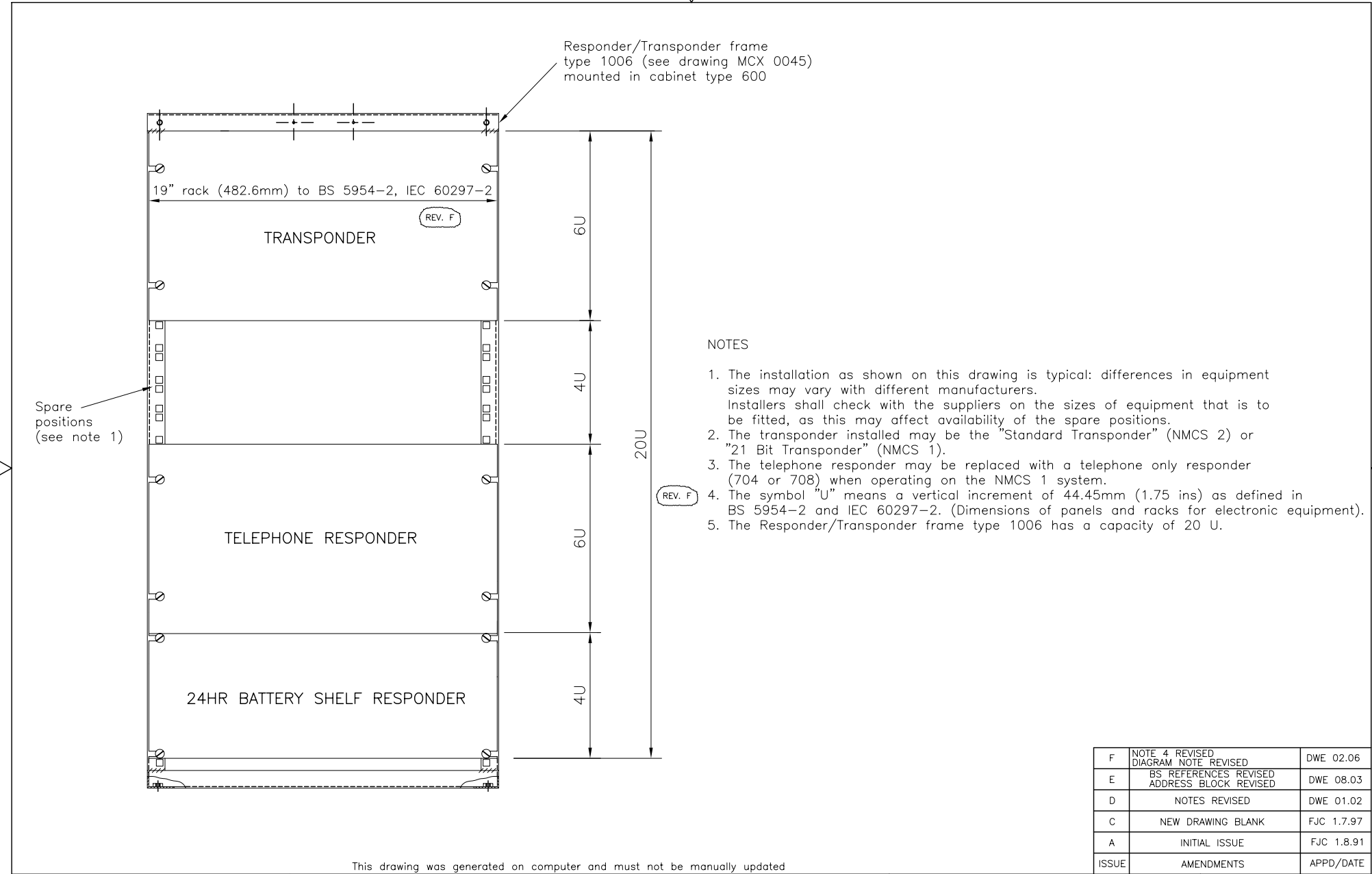
This drawing was generated on computer and must not be manually updated

HIGHWAY CONSTRUCTION DETAILS

TITLE  
INSTALLATION DRAWING NMCS  
CABLE ARRANGEMENT AT TRANSMISSION STATION  
BUILDING SITE

ORIGINAL DRAWING SIZE: 297 x 420  
ALL DIMENSIONS ARE IN MM  
TOLERANCE ± UNLESS OTHERWISE STATED  
THIRD ANGLE PROJECTION DO NOT SCALE

**MCX 0561 – 0564**  
**NOT USED**



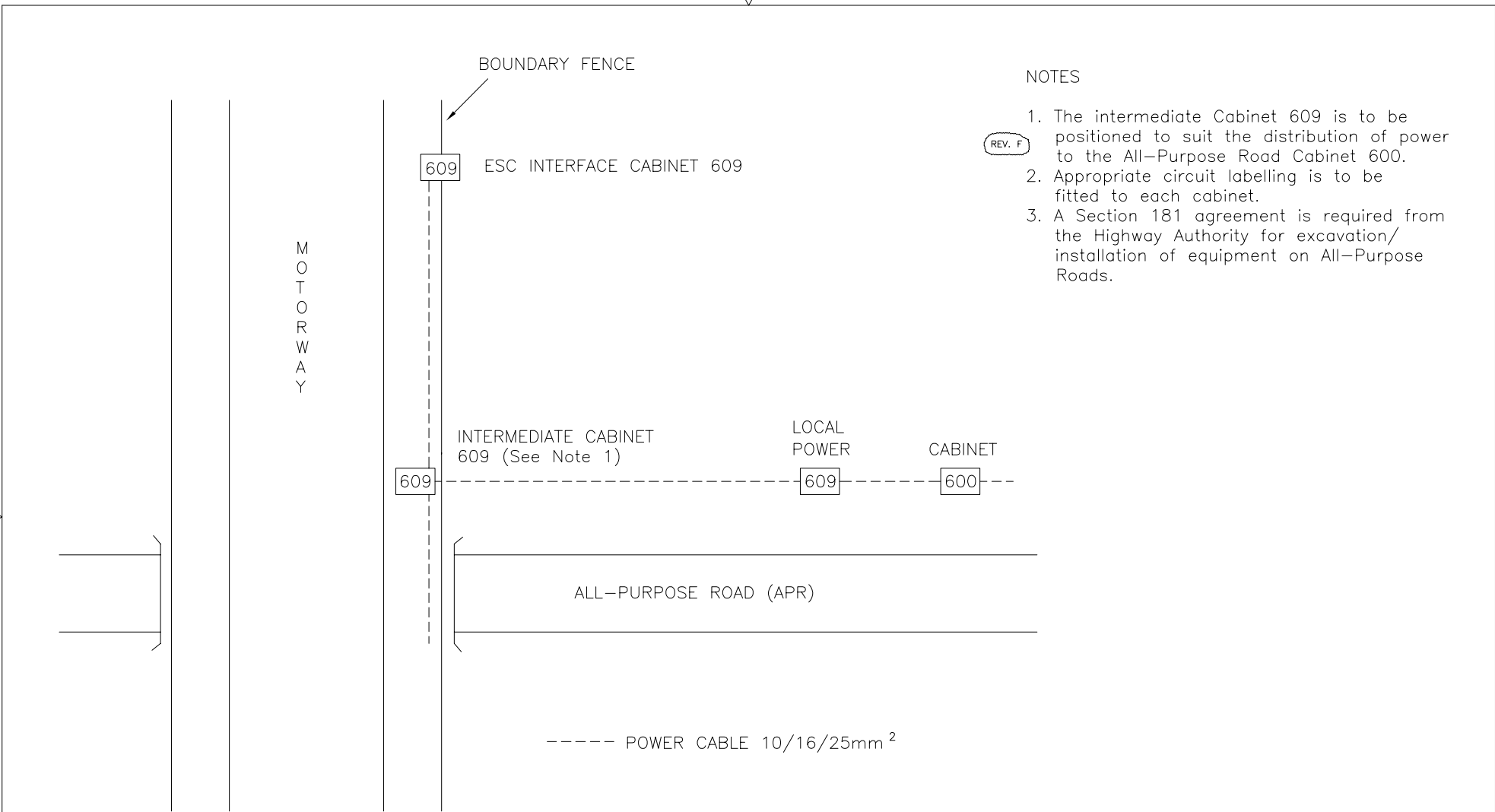
NOTES

1. The installation as shown on this drawing is typical: differences in equipment sizes may vary with different manufacturers. Installers shall check with the suppliers on the sizes of equipment that is to be fitted, as this may affect availability of the spare positions.
2. The transponder installed may be the "Standard Transponder" (NMCS 2) or "21 Bit Transponder" (NMCS 1).
3. The telephone responder may be replaced with a telephone only responder (704 or 708) when operating on the NMCS 1 system.
4. The symbol "U" means a vertical increment of 44.45mm (1.75 ins) as defined in BS 5954-2 and IEC 60297-2. (Dimensions of panels and racks for electronic equipment).
5. The Responder/Transponder frame type 1006 has a capacity of 20 U.

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

HIGHWAY CONSTRUCTION DETAILS	TITLE INSTALLATION DRAWING TYPICAL LAYOUT FOR INSTALLING NMCS 2 SIGNAL AND TELEPHONE EQUIPMENT WITHIN A CABINET TYPE 600	ORIGINAL DRAWING SIZE: 297 x 420	DRN PJS	CHKD DO	SCALE	
		ALL DIMENSIONS ARE IN MM	DATE 6.4.93	DATE 2.6.93	NTS	
		TOLERANCE ±1 UNLESS OTHERWISE STATED	DRG. NO.	MCX 0565		SHT. NO.
		THIRD ANGLE PROJECTION DO NOT SCALE			1 of 1	

F	NOTE 4 REVISED DIAGRAM NOTE REVISED	DWE 02.06
E	BS REFERENCES REVISED ADDRESS BLOCK REVISED	DWE 08.03
D	NOTES REVISED	DWE 01.02
C	NEW DRAWING BLANK	FJC 1.7.97
A	INITIAL ISSUE	FJC 1.8.91
ISSUE	AMENDMENTS	APPD/DATE



NOTES

1. The intermediate Cabinet 609 is to be positioned to suit the distribution of power to the All-Purpose Road Cabinet 600.
2. Appropriate circuit labelling is to be fitted to each cabinet.
3. A Section 181 agreement is required from the Highway Authority for excavation/ installation of equipment on All-Purpose Roads.

REV. F

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

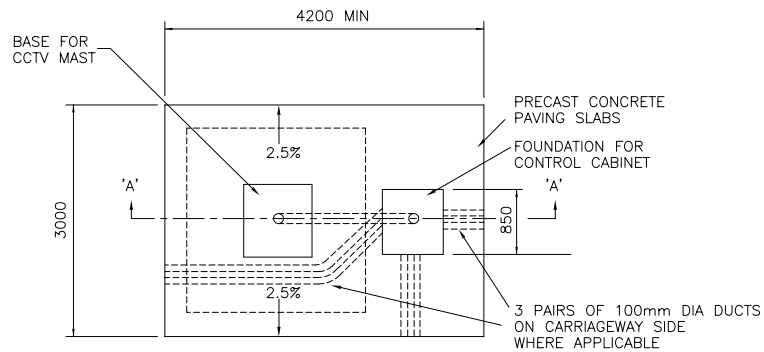
F	NOTE 1 REVISED ADDRESS BLOCK REVISED	DWE 08.02
E	NOTES 1 & 3 REVISED	DWE 01.02
D	NEW DRAWING BLANK	DWE 7.97
C	REDRAWN ON CAD	FJC 21.9.94
A	INITIAL ISSUE	ASH 6.3.91
ISSUE	AMENDMENTS	APPD/DATE
DRN	PJS	CHKD DO
DATE	5.4.93	DATE 28.5.93
DRG. NO.	M CX 0566	
		SCALE NTS
		SHT. NO. 1/1

HIGHWAY CONSTRUCTION DETAILS

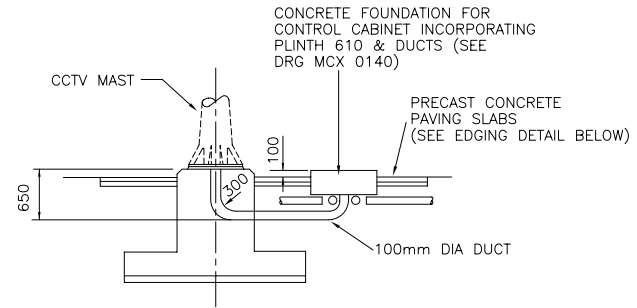
TITLE INSTALLATION DRAWING NMCS 2  
SHOWING DETAILS OF PROVIDING POWER FROM A MOTORWAY  
SITE TO AN ALL-PURPOSE ROAD INSTALLATION

ORIGINAL DRAWING SIZE: 297 x 420  
ALL DIMENSIONS ARE IN MM  
TOLERANCE ± UNLESS OTHERWISE STATED  
THIRD ANGLE PROJECTION DO NOT SCALE

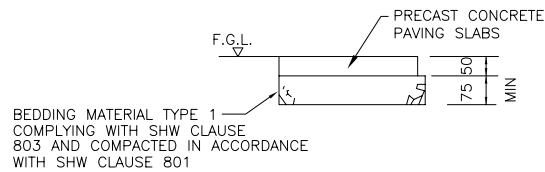
**MCX 0567 – 0574**  
**NOT USED**



(REV. F) PLAN ON PAVED BASE



(REV. F) SECTION ON 'A'-'A'



(REV. F) EDGING DETAILS

(REV. F) NOTES

1. THIS DRAWING SHOWS THE TYPICAL ARRANGEMENT FOR CCTV CONNECTED TO AN NMCS2 CONTROL CABINET. FOR NON NMCS2 SYSTEMS THE ADVICE OF THE OVERSEEING ORGANISATION SHALL BE OBTAINED.
2. MAST SHALL COMPLY WITH BD 83 (DMRB 2.2.11), BD 88 (DMRB 2.2.13) AND SHW SERIES 1300.
3. DUCTS ARE TO BE PROVIDED WITH DRAW ROPES. ENDS SEALED AND MARKERS INSTALLED.
4. PAVING SLABS TO BE CAMBERED AT 2.5% AS SHOWN IN PLAN ON PAVED BASE.

(REV. F)

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

HIGHWAY CONSTRUCTION DETAILS

TITLE  
INSTALLATION DRAWING  
TYPICAL PAVED AREA DETAILS FOR  
CABINET BASE FOR CCTV MASTS

(REV. F)

ORIGINAL DRAWING SIZE: 297 x 420  
ALL DIMENSIONS ARE IN MM  
TOLERANCE  $\pm 1$  UNLESS OTHERWISE STATED  
THIRD ANGLE PROJECTION DO NOT SCALE

F	CONC. DETAILS REMOVED, NOTES & TITLE REV. ADDRESS BLOCK REV.	DWE 08.03
E	GENERALLY UPDATED ADDRESS BLOCK REVISED	DWE 08.02
D	ADDRESS & LOGO REVISED COPYRIGHT NOTICE REMOVED	DWE 02.02
C	NEW DRAWING BLANK	FJC 1.7.97
A	INITIAL ISSUE	CJG 16.8.91
ISSUE	AMENDMENTS	APPD/DATE
DRN	EED	CHKD DO
DATE	1.11.93	DATE 19.11.93
DRG. NO.	MCX 0575	
		SHT. NO. 1/1

**MCX 0576 – 0581**  
**NOT USED**