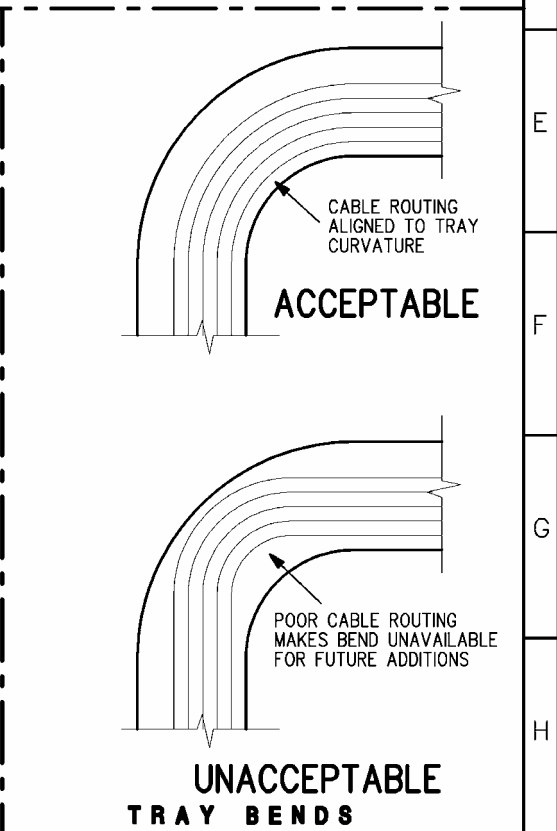
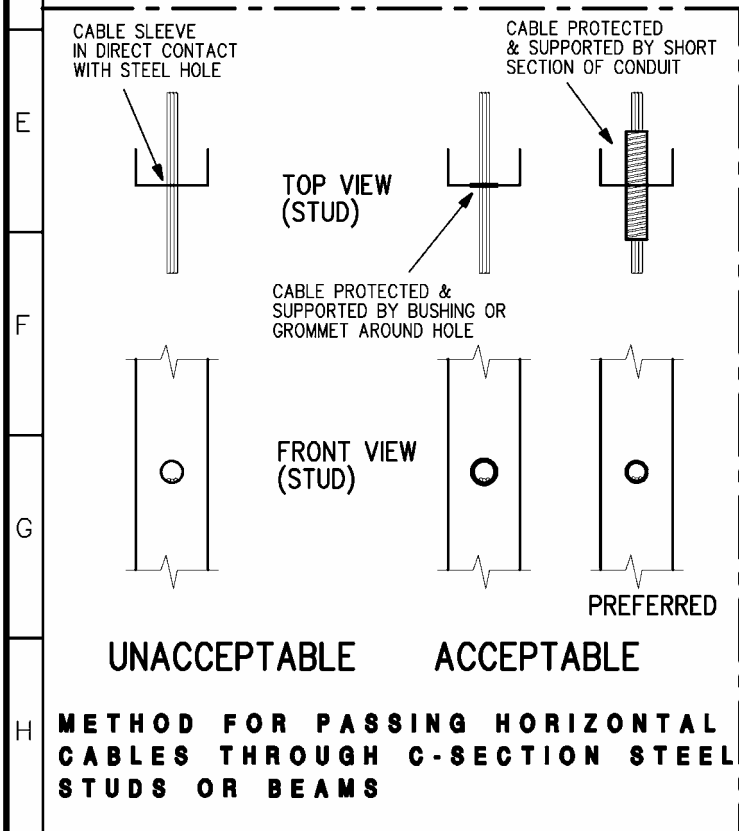
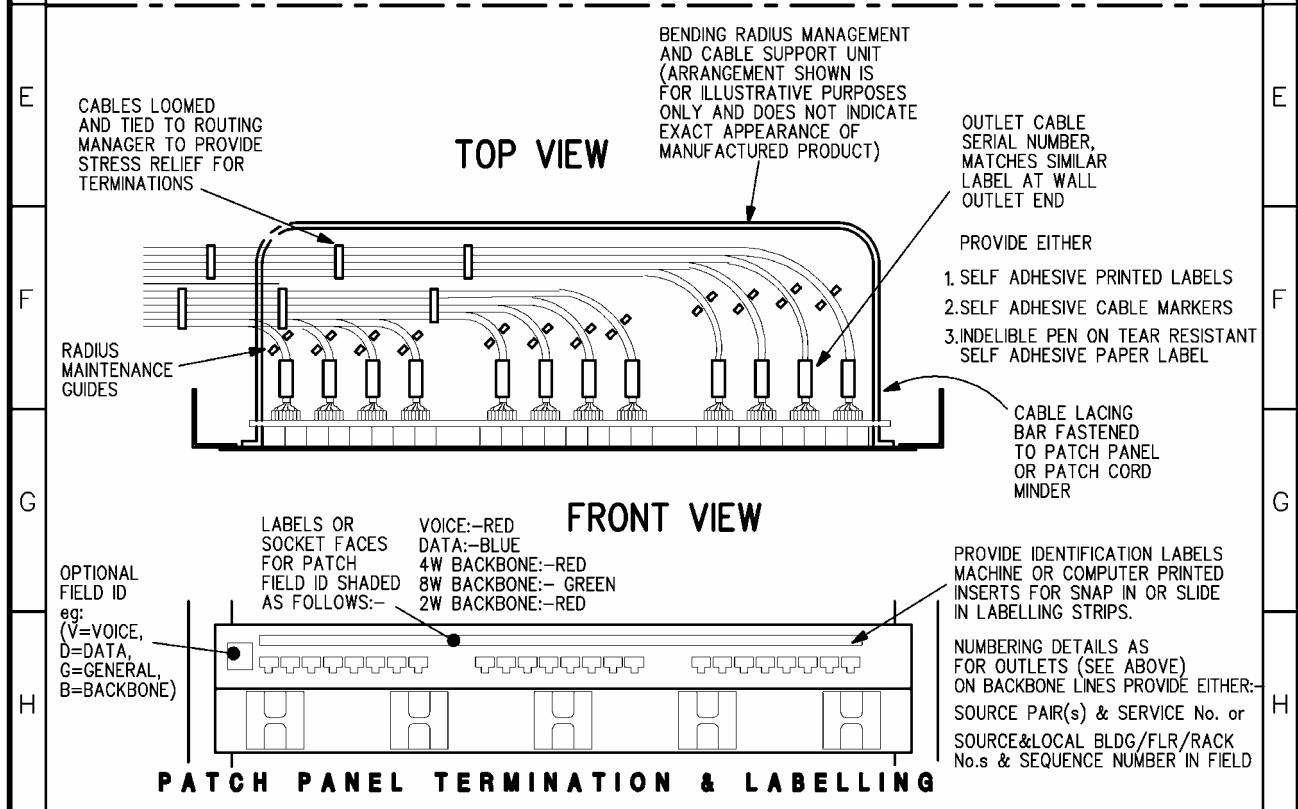
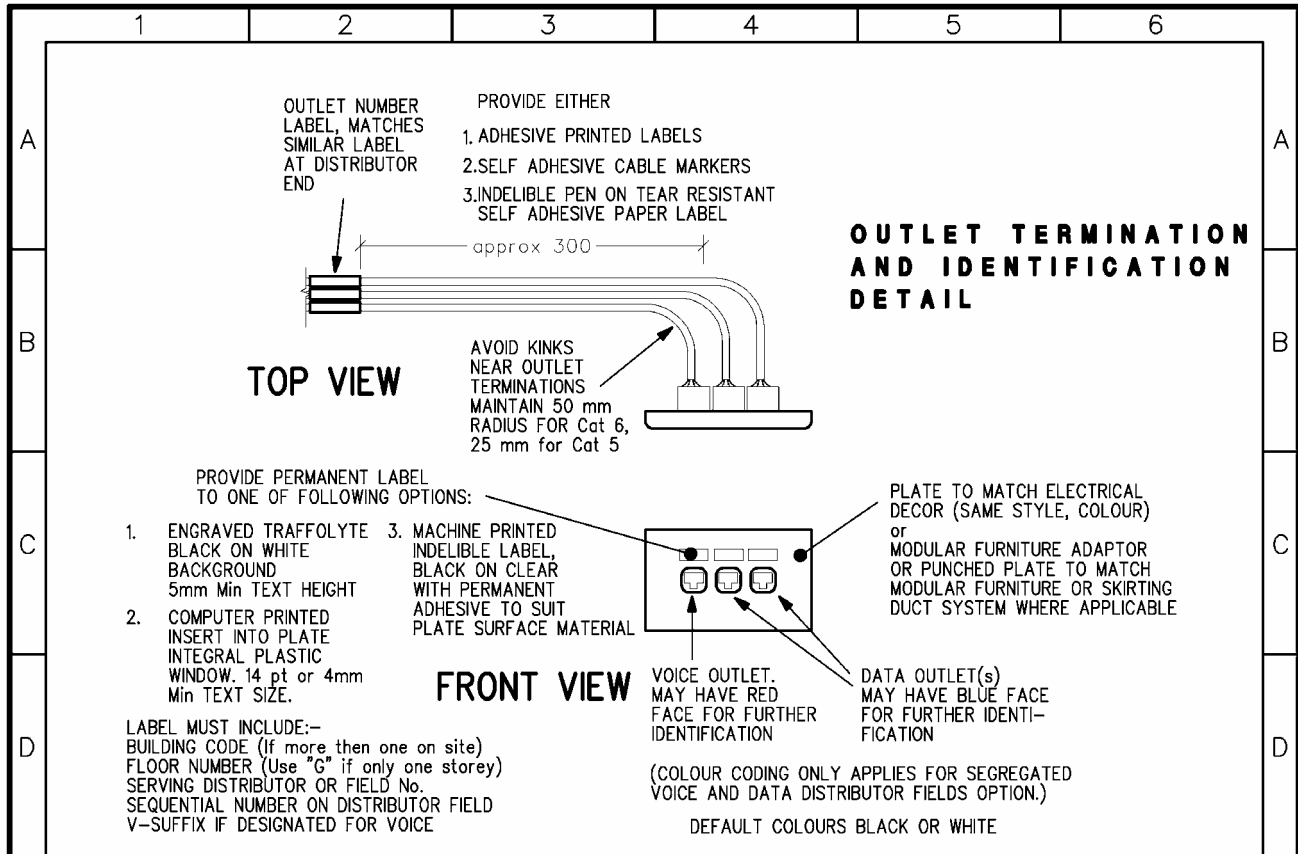


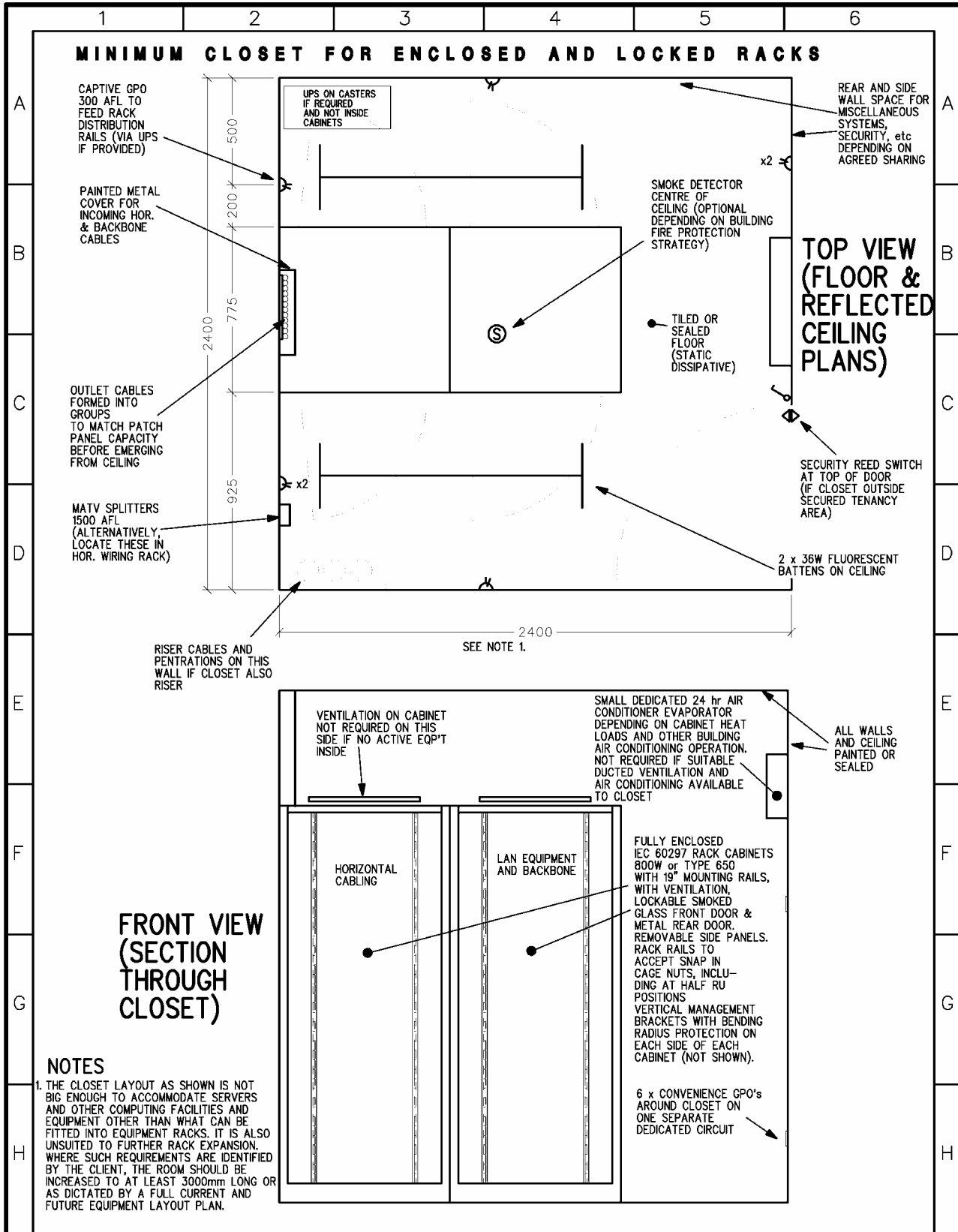
HORIZONTAL TO VERTICAL CABLE ROUTE TRANSITIONS



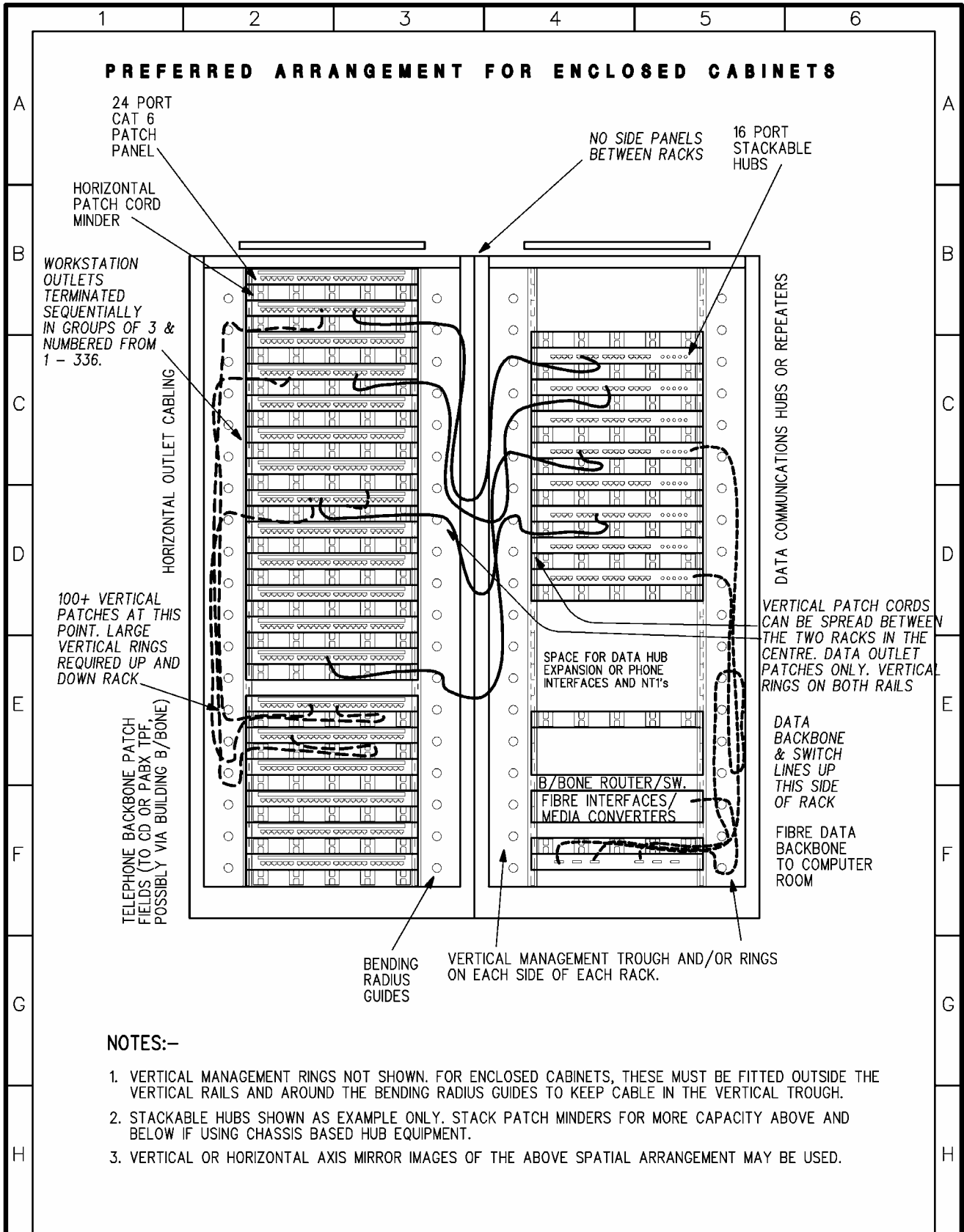
REV No.		REV DETAILS		REV DATE		MULTIMEDIA VICTORIA		COMMUNICATIONS CABLING STRATEGY	
SINCLAIR KNIGHT MERZ Sinclair Knight Merz Pty Ltd ACN 001 024 085 20 Eilersie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325						CLIENT		PROJECT TITLE	
P.G. DRAWN		P.G. CHECKED		APPROVED		CABLING SUPPORT AND ROUTING PRACTICES			
MMVACS01		1 : 10		11/6/98		DRAWING TITLE			
DISK FILE		SCALE		DATE		NW1507ML		MMV-CS-01	
LOCATION		PROJECT NO.		DRAWING NO.		REVISION NO.		A4 ORIC'L SIZE	



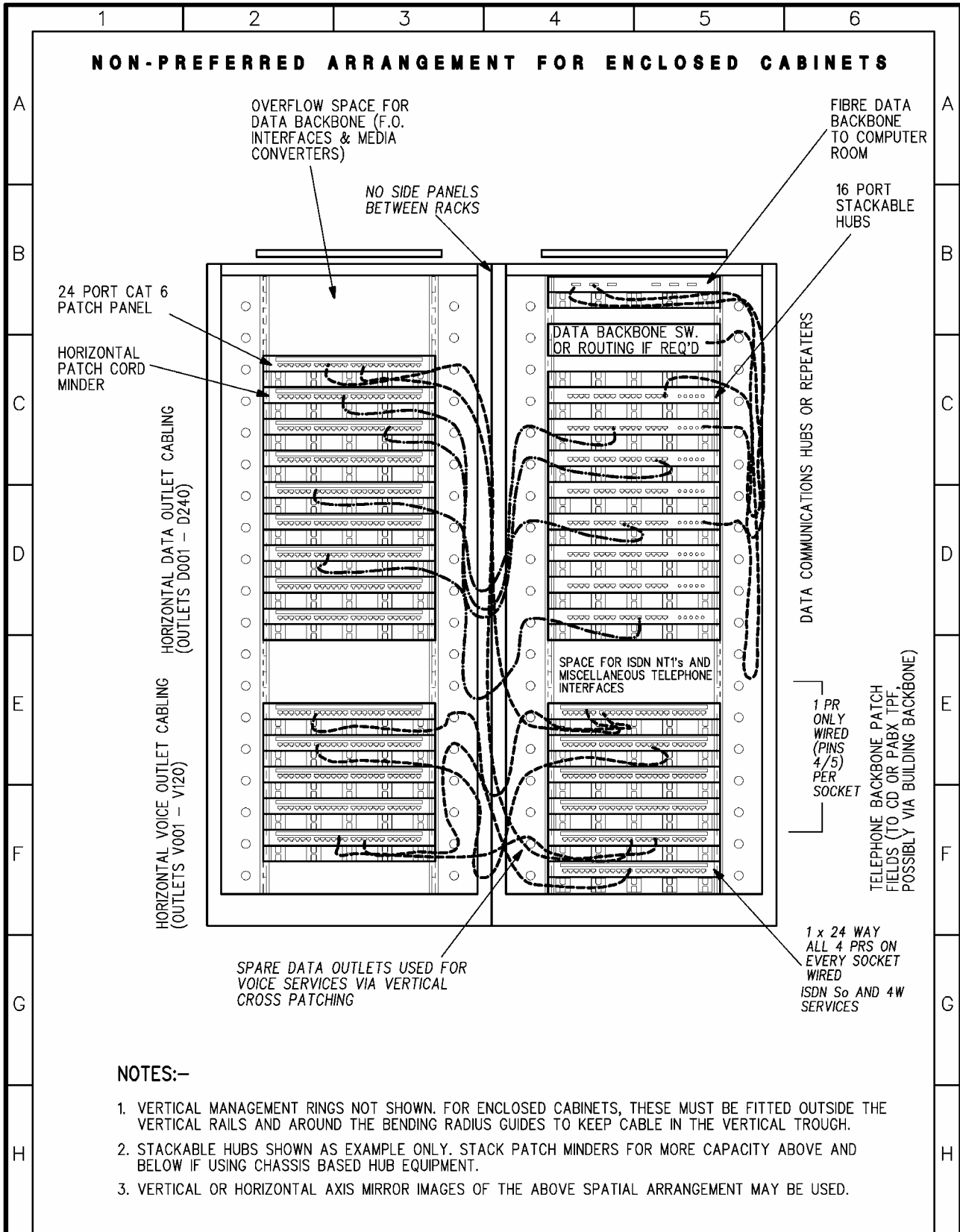
B A	Lacing bar replaced with radius guide	21/11/01	MULTIMEDIA VICTORIA		COMMUNICATIONS CABLING STRATEGY	
	Colour coding changed, patch panel appearance modified	11/6/98				
REV No.	REV DETAILS	REV DATE	CLIENT		PROJECT TITLE	
SINCLAIR KNIGHT MERZ			P.G. DRAWN	P.G. CHECKED	APPROVED	OUTLET & PATCH PANEL TERMINATION & LABELLING
Sinclair Knight Merz Pty Ltd ACN. 001 024 085 20 Elerslie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325			MMVACS02 DISK FILE	1 : 5 SCALE	21/11/01 DATE	
			LOCATION	NW1507ML PROJECT NO.	MMV-CS-02 DRAWING NO.	A4 ORIG'L SIZE
			REVISION NO.			



A REV No. CABINET & CLOSET WIDTH INCREASED REV DETAILS 6/12/01 REV DATE	MULTIMEDIA VICTORIA		COMMUNICATIONS CABLING STRATEGY	
			PROJECT TITLE	
SINCLAIR KNIGHT MERZ Sinclair Knight Merz Pty Ltd ACN 001 024 085 20 Elerslie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325	CLIENT	ENCLOSED RACK CABINET MAJOR CLOSET LAYOUT		UP TO 112 W'STNS, 3 OUTLETS PER WORKSTATION OR 1500 sq m.
	P.G. DRAWN	P.G. CHECKED	APPROVED	
	DISK FILE	SCALE	DATE	DRAWING TITLE
	LOCATION	PROJECT NO.	DRAWING NO.	REVISION NO.



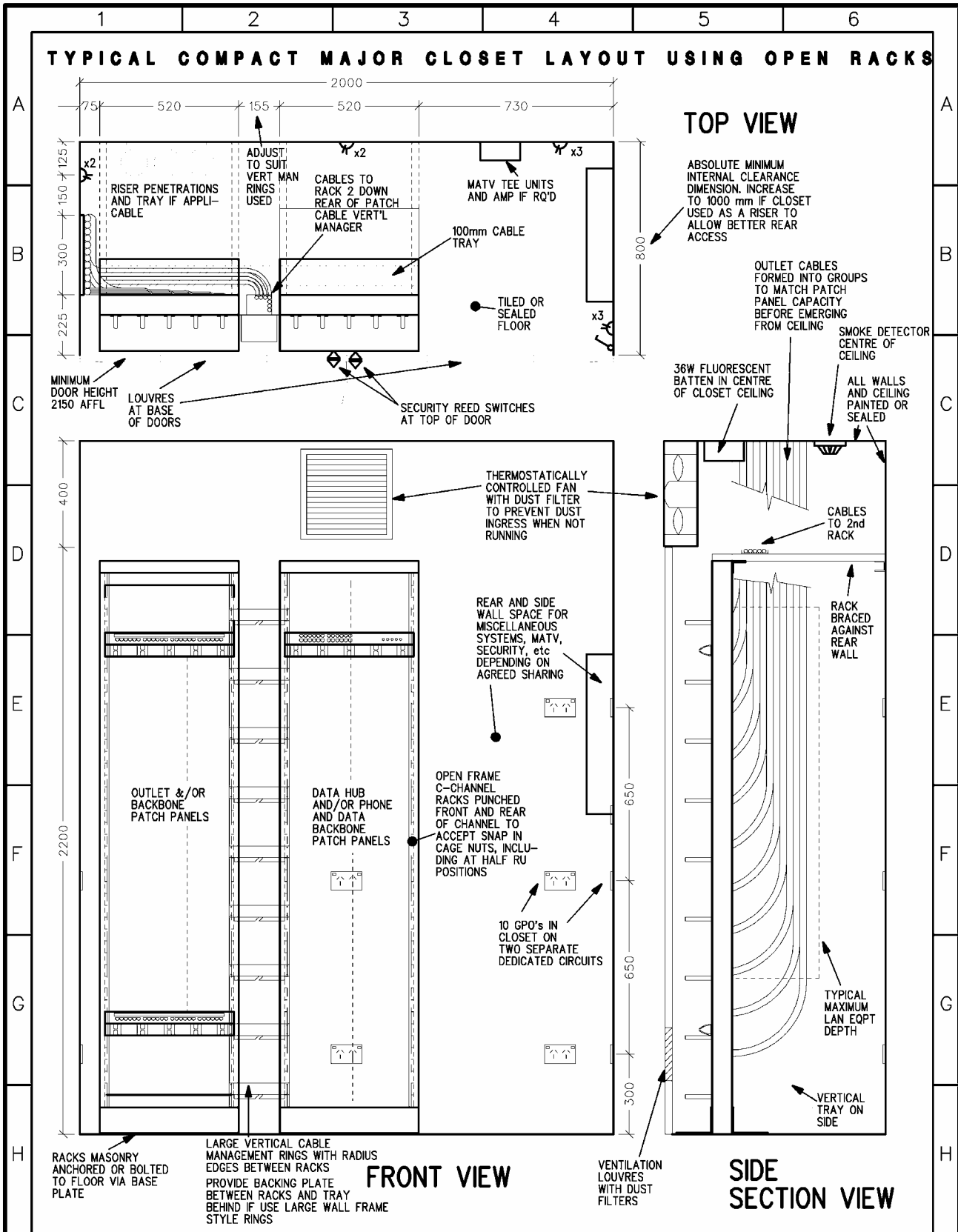
B Racks widened, cat 6 v. mangrmt 6/12/01 A Changed to preferred arrangement 11/6/98 <small>REV No. REV DETAILS REV DATE</small>		MULTIMEDIA VICTORIA		COMMUNICATIONS CABLING STRATEGY	
SINCLAIR KNIGHT MERZ Sinclair Knight Merz Pty Ltd ACN 001 024 055 20 Ellerslie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325		<small>CLIENT</small> P.G. DRAWN MMVACS04 <small>DISK FILE</small>		<small>PROJECT TITLE</small> SEQUENTIALLY NUMBERED OUTLETS:- RACK LAYOUT <small>DRAWING TITLE UP TO 112 W*STNS AS SHOWN</small>	
		<small>P.G. CHECKED</small> 1 : 15 <small>SCALE</small>		<small>APPROVED</small> 6/12/01 <small>DATE</small>	
		<small>LOCATION</small> NW1507ML		<small>DRAWING NO.</small> MMV-CS-04	
		<small>PROJECT NO.</small> NW1507ML		<small>REVISION NO.</small> A4 <small>ORIG'L SIZE</small>	



NOTES:-

1. VERTICAL MANAGEMENT RINGS NOT SHOWN. FOR ENCLOSED CABINETS, THESE MUST BE FITTED OUTSIDE THE VERTICAL RAILS AND AROUND THE BENDING RADIUS GUIDES TO KEEP CABLE IN THE VERTICAL TROUGH.
2. STACKABLE HUBS SHOWN AS EXAMPLE ONLY. STACK PATCH MINDERS FOR MORE CAPACITY ABOVE AND BELOW IF USING CHASSIS BASED HUB EQUIPMENT.
3. VERTICAL OR HORIZONTAL AXIS MIRROR IMAGES OF THE ABOVE SPATIAL ARRANGEMENT MAY BE USED.

<p>B Racks widened, cat 6 v. mangmnt 6/12/01 A Changed to non-preferred arrangement 11/6/98</p> <p>REV No. REV DETAILS REV DATE</p>	<p>MULTIMEDIA VICTORIA</p>	<p>COMMUNICATIONS CABLING STRATEGY</p>												
<p>SINCLAIR KNIGHT MERZ Sinclair Knight Merz Pty Ltd ACN 001 024 035 20 Ellerslie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">P.G. DRAWN</td> <td style="width: 33%;">P.G. CHECKED</td> <td style="width: 33%;">APPROVED</td> </tr> <tr> <td>MMVACS05 DISK FILE</td> <td>1 : 15 SCALE</td> <td>6/12/01 DATE</td> </tr> <tr> <td>LOCATION</td> <td colspan="2">PROJECT NO. NW1507ML</td> </tr> </table>	P.G. DRAWN	P.G. CHECKED	APPROVED	MMVACS05 DISK FILE	1 : 15 SCALE	6/12/01 DATE	LOCATION	PROJECT NO. NW1507ML		<p>PROJECT TITLE</p> <p>SEGREGATED V&D PATCH PANELS:- RACK LAYOUT</p> <p>DRAWING TITLE UP TO 120 W'STNS AS SHOWN</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">DRAWING NO. MMV-CS-05</td> <td style="width: 20%;">REVISION NO.</td> <td style="width: 30%; text-align: center;">A4 ORIG'L SIZE</td> </tr> </table>	DRAWING NO. MMV-CS-05	REVISION NO.	A4 ORIG'L SIZE
P.G. DRAWN	P.G. CHECKED	APPROVED												
MMVACS05 DISK FILE	1 : 15 SCALE	6/12/01 DATE												
LOCATION	PROJECT NO. NW1507ML													
DRAWING NO. MMV-CS-05	REVISION NO.	A4 ORIG'L SIZE												



B	Vert. man. rings radiused for Cat6	6/12/01
A	Proprietary references removed	11/6/98
REV No.	REV DETAILS	REV DATE

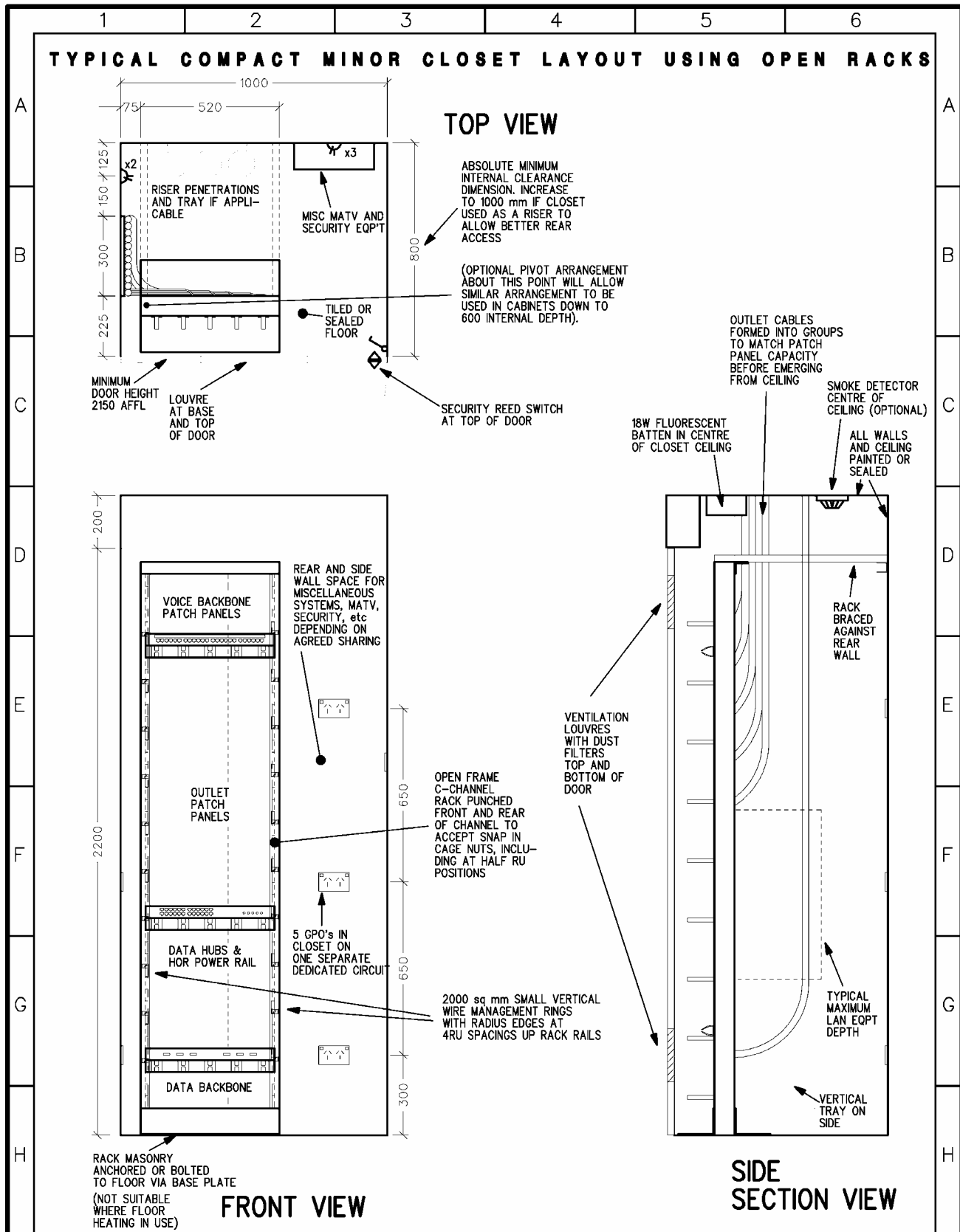
MULTIMEDIA VICTORIA

COMMUNICATIONS CABLING STRATEGY

SINCLAIR KNIGHT MERZ
 Sinclair Knight Merz Pty Ltd
 ACN 001 024 085
 20 Eilersie Road, Battery Point
 Tas. 7004 Australia
 Telephone (03) 6221 3711
 Facsimile (03) 6224 2325

CLIENT	PROJECT TITLE	
P.G. DRAWN	P.G. CHECKED	APPROVED
MMVACS06	1 : 20	6/12/01
DISK FILE	SCALE	DATE
LOCATION	NW1507ML	PROJECT NO.

DRAWING TITLE		DRAWING NO.	REVISION NO.	A4 ORIG'L SIZE
OPEN FRAME RACK MAJOR CLOSET LAYOUT UP TO 120 W'STNS, 3 OUTLETS PER WORKSTATION AS SHOWN				



B	Radius edges added to vertical management	6/12/01
A	Proprietary references deleted	11/6/98
REV No.	REV DETAILS	REV DATE

MULTIMEDIA VICTORIA

CLIENT

COMMUNICATIONS CABLING STRATEGY

PROJECT TITLE

SINCLAIR KNIGHT MERZ
 Sinclair Knight Merz Pty Ltd
 ACN 001 024 085
 20 Elerslie Road, Battery Point
 Tas. 7004 Australia
 Telephone (03) 6221 3711
 Facsimile (03) 6224 2325

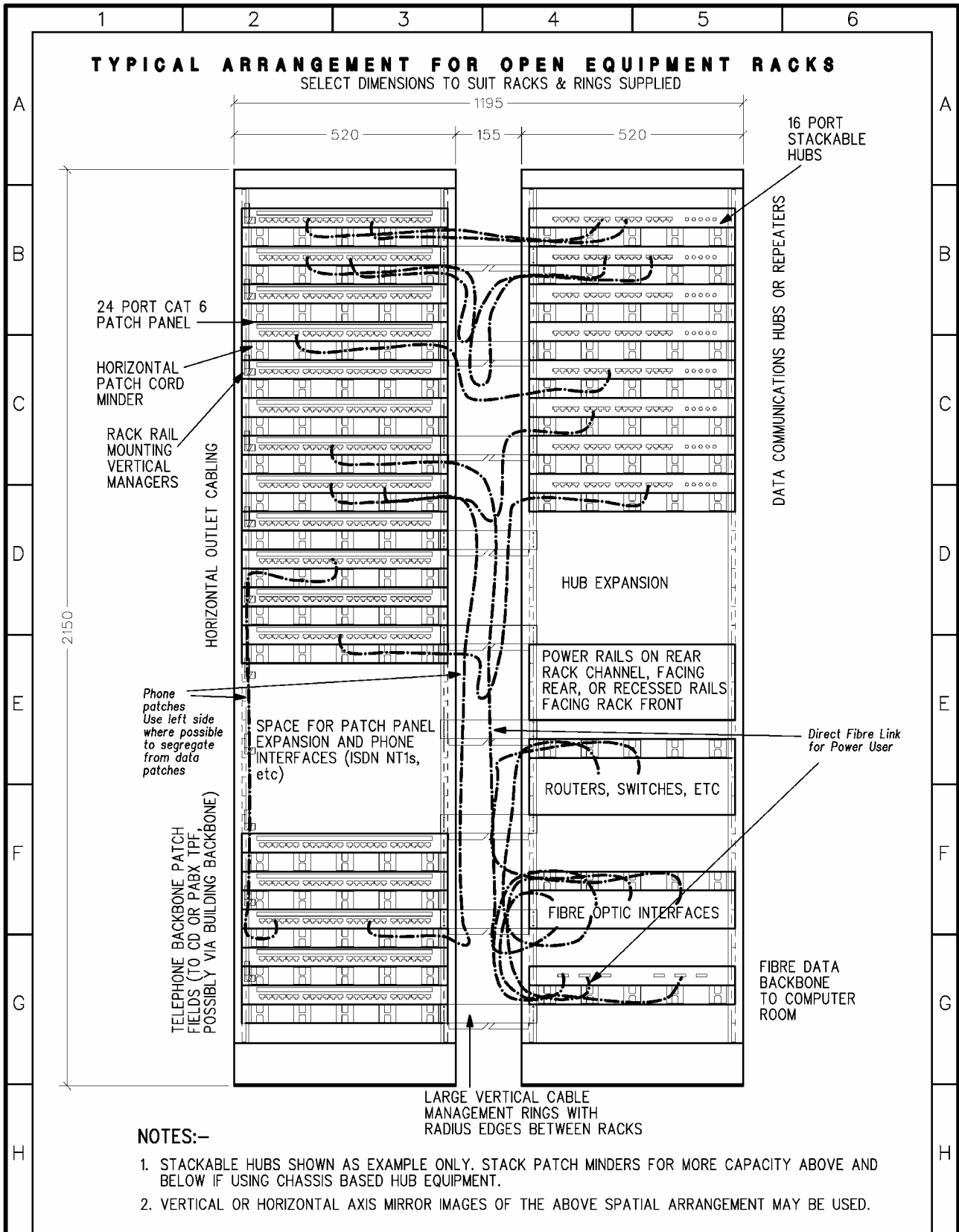
P.G. DRAWN	P.G. CHECKED	APPROVED
MMVACS07 DISK FILE	1 : 20 SCALE	6/12/01 DATE
LOCATION	PROJECT NO. NW1507ML	DRAWING NO. MMV-CS-07

OPEN FRAME RACK MINOR CLOSET LAYOUT
 UP TO 50 W'STNS, 3 OUTLETS PER WORKSTATION OR 750 sq m.

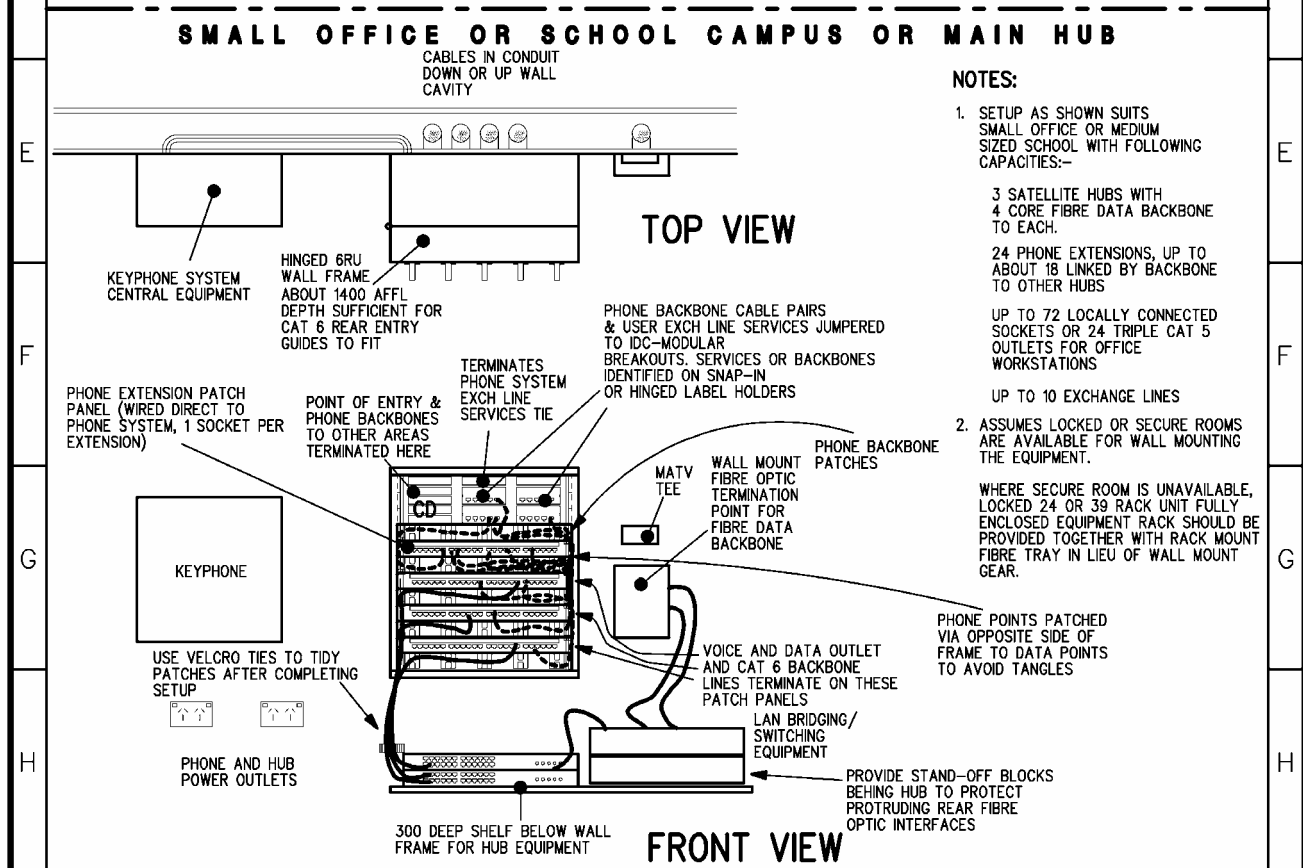
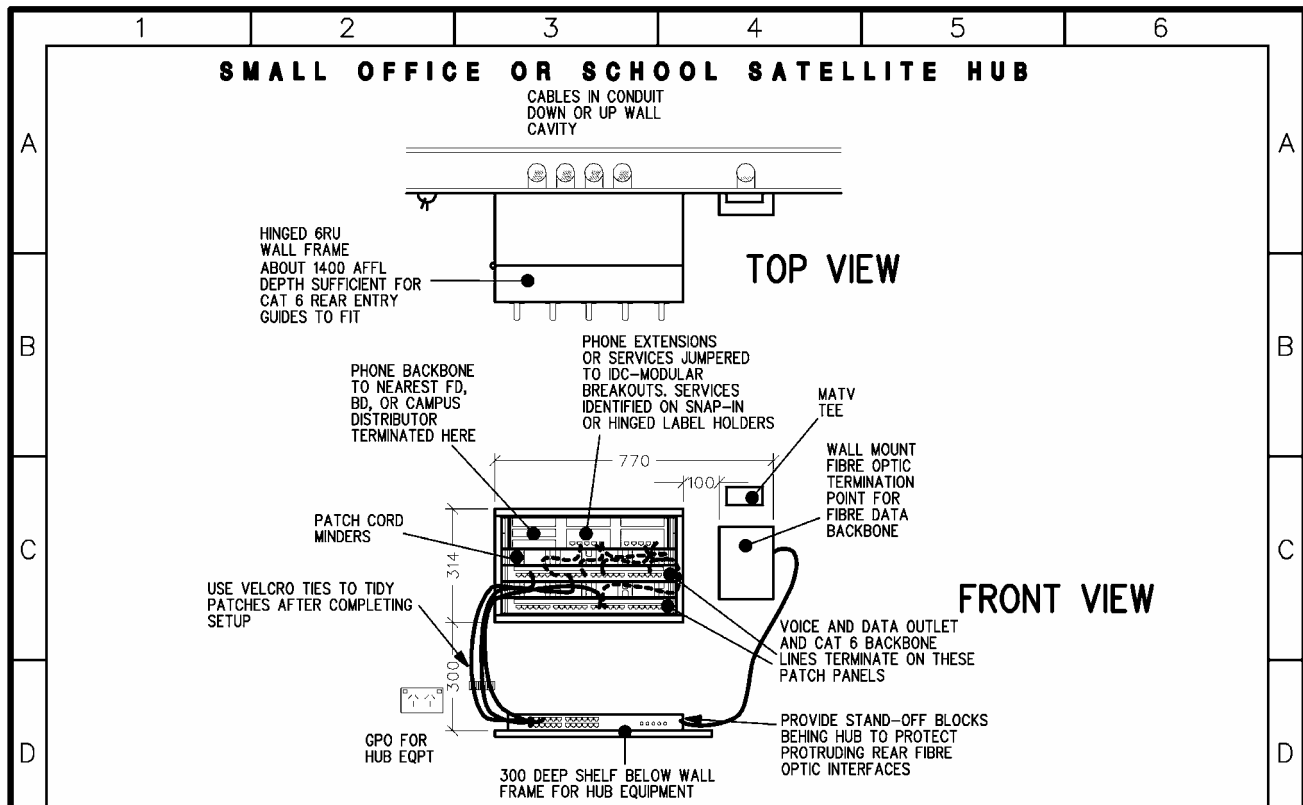
DRAWING TITLE

REVISION NO.

ORIG'L SIZE
A4



B Cat6, Radius edges added 6/12/01		6/12/01		MULTIMEDIA VICTORIA		COMMUNICATIONS CABLING STRATEGY	
A Layout revised to preferred arrangement 11/6/98		11/6/98					
REV No.	REV DETAILS	REV DATE		CLIENT	PROJECT TITLE		
SINCLAIR KNIGHT MERZ Sinclair Knight Merz Pty Ltd ACN 001 024 085 20 Ellerslie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325				P.G. DRAWN	P.G. CHECKED	APPROVED	OPEN FRAME RACK BASED CLOSET:- RACK LAYOUT DRAWING TITLE UP TO 120 W'STNS AS SHOWN
				MMVACS08	1 : 12.5	6/12/01	
				DISK FILE	SCALE	DATE	
				LOCATION	PROJECT NO.	DRAWING NO.	REVISION NO.
					NW1507ML	MMV-CS-08	A4 ORIG'L SIZE



NOTES:

1. SETUP AS SHOWN SUITS SMALL OFFICE OR MEDIUM SIZED SCHOOL WITH FOLLOWING CAPACITIES:-
 - 3 SATELLITE HUBS WITH 4 CORE FIBRE DATA BACKBONE TO EACH.
 - 24 PHONE EXTENSIONS, UP TO ABOUT 18 LINKED BY BACKBONE TO OTHER HUBS
 - UP TO 72 LOCALLY CONNECTED SOCKETS OR 24 TRIPLE CAT 5 OUTLETS FOR OFFICE WORKSTATIONS
 - UP TO 10 EXCHANGE LINES
2. ASSUMES LOCKED OR SECURE ROOMS ARE AVAILABLE FOR WALL MOUNTING THE EQUIPMENT.
 - WHERE SECURE ROOM IS UNAVAILABLE, LOCKED 24 OR 39 RACK UNIT FULLY ENCLOSED EQUIPMENT RACK SHOULD BE PROVIDED TOGETHER WITH RACK MOUNT FIBRE TRAY IN LIEU OF WALL MOUNT GEAR.

B Patch panels changed to Cat 6 A Terminology revised. REV No. REV DETAILS		6/12/01 11/6/98 REV DATE		MULTIMEDIA VICTORIA CLIENT		COMMUNICATIONS CABLING STRATEGY PROJECT TITLE	
SINCLAIR KNIGHT MERZ Sinclair Knight Merz Pty Ltd ACN 001 024 085 20 Elerslie Road, Battery Point Tas. 7004 Australia Telephone (03) 6221 3711 Facsimile (03) 6224 2325		P.G. DRAWN MMVACS09 DISK FILE		P.G. CHECKED 1 : 20 SCALE		APPROVED 6/12/01 DATE	
LOCATION		PROJECT NO. NW1507ML		DRAWING TITLE WALL PATCH FRAMES FOR SMALL OFFICE AREAS UP TO 24 W'STNS, 3 OUTLETS PER WORKSTATION OR 350 sq m.		DRAWING NO. MMV-CS-09	
				REVISION NO.		ORIG'L SIZE A4	