

# PLANNING REQUIREMENTS: INDIVIDUAL ROOMS

SUBJECT

NOTES !--

(1) New services — heating, few light and power points and one basin or sink with h. and c. supply.
(2) Le., complete darkness necessary for experiments. Blackout for projection see horizontal

morial 34.

(3) The minimum 2% daylight factor required for school classrooms is also desirable in these teaching rooms. In multi-storey buildings where this factor can only be obtained by unduly increasing the cost of the building and its heating, consideration should be given to supplementing a lower standard of daylight, when necessary, with the artificial lighting.

ROOM

## SECTION I. GENERAL REQUIREMENTS

	Heavy and bulky equipment and materials	Very Noisy	Clean	A
	Ground floor desirable	Considerable Vibration	Dirt, dust or fumes	A
,		Not were notes.	Dirt, dust or fumes	A
ZONIE		Not very noisy	Clean	E
	Light and small equipment and materials	Outst mot sevential	Special services	0
		Quiet not essential	Few services only (1)	
	Any floor	Quiet essential		E

TIONS		DAYLIGHT	Not essential			
	LIGHTING		North light preferable			
			Control of sunlight by blinds			
			Exclusion of light essential by blinds to give complete black-out (2)			
		ARTIPICIAL	Non-stroboscopic essential			
			Colour discrimination essential			
		STANDARDS	General lighting only. Min. illumination of 10 f.c. or 2% daylight factor (3)			
Ä			Individual directional lighting. Min. 25 f.c.			
SICAL CONDI			Individual directional lighting. Min. 50 f.c.			
			Directional lighting for demonstration purposes			
	HEATING	Heavy manual activity				
PHYS		Equipment producing heat				
Ъ		Sedentary occupations only				
		Control of room temperature essential				
		Control of room temperature desirable				
	VENTILATION	Mechanical ventilation essential; from room				
		Mechanical ventilation essential: from equipment, fume cupboards, etc.				
	COLINIO	Control of noise desirable				
	SOUND	Exclusion of vibration essential				

Cross Reference	Serial No.		
to Appendix 1	Area in sq. ft.		

# PLANNING REQUIREMENTS: INDIVIDUAL ROOMS (continued)

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ROOM

# SECTION II. DETAILED REQUIREMENTS.

ALLOTTED ZONE

	WATER	Mains supply essential	
	WAILK	Sink or basin with hot and cold water supply adjacent to the wall	
	FITTINGS WITH	Several sinks and/or taps, adjacent to the wall	
SPECIAL SERVICES	WATER SUPPLY AND DRAINAGE	Several sinks and/or taps, in centre of the room	
	AND DICAINAGE	Equipment supplied with water; for cooling, etc.	-
	DRAINAGE	Wash-down sumps in floor	
	ELECTRICITY	A.C. 3 phase supply 400 v.	
		A.C. single phase supply 240 v. to several sockets	
	FITTINGS WITH	Benches adjacent to the wall with sockets	
	ELECTRICITY SUPPLY	Benches in centre of the room with sockets	
		Equipment supplied with electricity; for motors, heating, etc.	
		Benches adjacent to the wall with gas taps	
	FITTINGS WITH GAS SUPPLY	Benches in centre of the room with gas taps	
		Equipment supplied with gas.	
 H		Light equipment only	
Z	WEIGHT	Comparatively light equipment: 60-100 lbs. per sq. ft.	
ME		Heavy equipment; 100-200 lbs. per sq. ft., most suitably sited on the ground floor	
I P		Heavy equipment: over 200 lbs. per sq. ft. with very heavy concentrated loads	
		Equipment with moving parts, producing vibration or very heavy impact load	
E L	SIZE	Equipment requiring, at least, double doors 5 ft. 0 in. by 7 ft. 0 in.	
_		Demonstration bench	
	BENCHES	Benches adjacent to the wall	
GS	Hous	Benches in the centre of the room	
Z		Fixed seating	
FITT	SEATING	Seating in tiers. 6 in. rise (approx.)	
		Seating in tiers. 1 ft, 6 in. rise (approx.)	
	FITTINGS FOR PROJEC	CTION. Screen, Blinds, etc.	

Cross Reference Serial No.

to Appendix 1 Area in sq. ft.

	P	age	Pa	ige
III. COSTS		24	Planning for Growth	27
Cost per Square Foot		24	Compact Planning	28
Nett and Gross Cost		24	Linking of Instalments	28
			THE PRINCIPLE OF ZONING	29
IV. PROCEDURE		25	THE ZONING OF TEACHING ACCOM-	
		25	MODATION	35
			Five Types of Teaching Room	35
		27	Physical Conditions	35
V. DESIGN		-	Adaptability	35
GENERAL REQUIREMENTS	* *		GROWTH	37
Educational Requirements			THE LINKING OF INSTALMENTS	42
Physical Conditions			Improvisation	42
Orientation			ARRANGEMENT OF ROOMS WITHIN	
Adaptable Buildings		27	DEPARTMENTS	50
LIS	ST (	OF	DIAGRAMS	
	$P_{i}$	age	Pa	ige
DIAGRAM 1. Zoning		30	DIAGRAM 9. Zoning of Teaching	
DIAGRAM 2. Zoning by Groups	of		Accommodation: Growth in Two	
Accommodation: Good Example		31	Instalments	40
DIAGRAM 3. Zoning by Groups	of		DIAGRAM 10. The Linking of Instal-	
Accommodation: Good Example		32	ments	44
			DIAGRAM 11. The Linking of Instal-	
DIAGRAM 4. Zoning by Groups Accommodation: Bad Example		33	ments: First Instalment	45
	_	5-30	DIAGRAM 12. The Linking of Instal-	
DIAGRAM 5. Zoning by Groups Accommodation: Bad Example		34	ments: Second Instalment 46/	47
		ă	المه كه الكممة الكممة	
DIAGRAM 6. Zoning of Teachi	_	£ 1	DIAGRAM 13. The Linking of Instalments: Third Instalment 48/	/49
Accommodation: Four Possil Arrangements	DIE	36	Manifel Research Center	1,7
	6	i va	DIAGRAM 14. Arrangement of Teach-	
DIAGRAM 7. Zoning of Teachi Accommodation: Growth in Fo		YXX	ing Rooms within Departments: Engineering, Commerce, Science	51
		38		-
		. ಹಾಲ <b>್</b>	DIAGRAM 15. Arrangement of Teach-	
DIAGRAM 8. Zoning of Teachi Accommodation: Growth in Thi			ing Rooms within Departments:  Art and Crafts, Architecture,	
Instalments		39	Catering and Women's Subjects	50

161.7

### LIST OF TABLES AND SUMMARIES

Pa	nge Pag	zе		
Summary of Four Types of Accom-	Size of Assembly Halls 1	4		
modation Recommended Areas of Teaching	Areas of Kitchens per Meal Served 1	15		
Rooms	Scale of Sanitary Fittings	18		
Areas per Student Place of Administra-	13 Costs per Square Foot	24		
tive and Communal Accommodation	13 Costs per square root			
LIST OF	F APPENDICES			
Pag	rge Pag	Page		
APPENDIX 1. Specimen Schedules of Accommodation	APPENDIX 2. Specimen Report at Sketch Plan Stage	72		
Notes	APPENDIX 3. Planning Requirements of Individual Teaching Rooms	75		
Section I: Schedule of Complete College	Notes			
Section II: Schedule of First	Section I: General Requirements	76		
DOULDE A. DULLED OF THE				

#### FRONT COVER

The photograph on the front cover is of a model of the Merthyr Tydfil College of Further Education (architects: Yorke, Rosenberg and Mardall).

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