

SCALE 48
PHYSICAL AND RECREATIONAL TRAINING FACILITIES

PART 1 - GENERAL

1 This Scale is to be read in conjunction with Scales 1, 17, 40 and 45.

2 It covers the provision of sports halls, training swimming pools, associated accommodation, playing fields and sports pavilions. It is in five parts:

Part 1 - General;

Part 2 - Sports Halls and associated facilities;

Part 3 - Training Swimming Pools and associated facilities;

Part 4 - Changing and ancillary accommodation;

Part 5 - Playing fields and sports pavilions.

3 The scaling of these facilities is given in the respective Part, and is for play at up to inter unit/command level. Where a higher standard of play is needed, involving increased playing/judging areas, this must be identified and justified at the initial brief stage.

4 To ensure maximum use and economy in the provision of these facilities, consideration should be given to providing them as a single complex on a garrison (including tri-Service) rather than on a unit, basis.

5 In Royal Naval Bases which cater for both shore establishments and sea-going ships, the following proportion of sea-going personnel should be included in the establishment:

a One third for three or more ships;

b One half for one or two ships.

6 Wherever possible, Physical and Recreational Training Centres should be sited adjacent to sports grounds so that the changing facilities (Serials 62-64) can be made available to players using the sports grounds. Direct access is to be provided to the changing rooms for players using sports grounds.

7 The relevant Design Guides and Service physical training and sports authorities should be consulted on the design and provision of facilities.

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8 Parking for coaches and access to the buildings for store-carrying vehicles should be provided. For private vehicles refer to Scale 17.

9 - 20 Spare

PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES

APPLICATION

21 The facilities in this Part should be provided for garrisons or units having an establishment of between 500 and 2500 personnel, and are based on the Sports Council recommendations for a four-court hall.

22 In other cases where a requirement exists for physical training, provision may be:

- a Less than 50 - an activity space only;
- b 50 - 499 - a basic main hall with limited storage and domestic facilities;
- c Over 2500 - consult Defence Estates for guidance on increased main hall size, and additional facilities.

DESIGN

23 The design of the main hall and activities spaces should allow for the maximum use of natural ventilation within the constraints of building design, energy and visual

requirements for the activities concerned. Daylight will not normally be appropriate for the main hall.

24 Where squash courts are to be provided they should normally be sited within or adjacent to the sports hall complex and be served wherever possible by the main hall instructional gallery. Where a viewing gallery cannot be provided, glass backed courts are to be provided. Additional changing facilities are not to be provided for these squash courts.

ADDITIONAL FACILITIES

25 A climbing/abseiling wall may be provided where justified. It should be provided as a controlled indoor facility. At RAF flying stations, and for Parachute units in isolated locations, a parachute harness and wheel trainer may be provided for synthetic parachute training.

26 Physiotherapy rooms are normally provided as part of the Medical and Dental Centre (Scale 28), rather than as part of a P&RTC. Rehabilitation, remedial and first aid facilities may be provided when authorised.

27 - 30 Spare.

PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES (contd)

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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Accommodation	Area	M & E Services	Planning Notes, Special Fittings, etc.
(a)	(b)	(c)	(d)
31 Uncovered Hardstanding	See Serial 8	Illumination - 10 lux	To give access to equipment store (Serial 37) by a 10 tonne vehicle. Car parking.
32 Entrance/Draught Lobby	To be provided out of area addition	Illumination - 175 lux External light over entrance. Supplementary lighting over mirror and notice board. Electric Power - Two 13A double socket outlets. Heating - 16.0°C.	Full length mirror, notice boards and double width mat Enclosed ventilated space for dustbin with access from entrance. May serve both sports hall and training swimming pool.
33 Main Hall	500-1500 594.0m ² Normal Dimensions - 33m x 18m 1501 - 2500 891m ² Normal Dimensions - 33m x 27m.	Illumination - 300 – 500 lux, the system being sufficiently flexible to provide lighting suitable for the variety of sports and activities that may take place. Fittings to be suitably protected from ball etc. damage. Boxing ring - 1000 lux (area 7.1m x 7.1m)	Clear ceiling height - 7.6m. Floor - Light coloured composition block on an area elastic base, or a seamless Polyurethane point elastic heavy duty sports surface; standard coloured painted court markings. Multi-purpose floor sockets for authorised equipment.

PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
33 contd		<p>Electric power - One 13A double socket outlet (flush fitting) for every 12m run of wall.</p> <p>Ventilation - where adequate natural ventilation is not available, mechanical ventilation is to be provided.</p> <p>Heating - 16.0°C maximum to be sustained at 1.5 air changes per hour, with facility to control the level of heating to suit the activity taking place.</p>	<p>Interior walls - Wherever possible to be flush on 3 sides and non-abrasive on all sides to a height of 3.0m and to be of a different colour from the floor.</p> <p>Doors - to be flush fitting with recessed handles. Sliding nylon mesh curtain to sub-divide main hall.</p> <p>Retractable basketball backboards including nets, with electrically operated winch and flush fitted control box. Details of equipment to be provided are given in Serial 40.</p>
34 Instructional Gallery	20m x 4m (normal dimensions)	As for Serial 33 excluding boxing ring.	Provided along one long side of the main hall by the most economic means, e.g. above equipment store/ changing areas. Wall notice boards. Floor to be unobstructed.

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
35 Activities Space	Two at 55.5m ² each Normal dimensions 9.0m x 6.0m approx.	As for Serial 33 excluding boxing ring.	Clear height and floor finish as for Serial 33. Planned together as extensions to the short end of the main hall but capable of separation from it and from each other by means of sliding nylon mesh. The equipment to be provided is listed at Serial 40.
36 Fitness Training Room	To be agreed at project brief stage.	As for Serial 33 excluding boxing ring, socket outlets as required. Drinking water supply.	For Multigym and other equipment. Full length wall mirror, 4m run. Room to be lockable for control of access.
37 Equipment Storage	65.0m ²	Illumination - 100 lux Outside light over external access. Electric Power - Two 13A double socket outlets. Heating - 13.0°C.	Open plan store with internal access to the activity spaces and external access for loading/unloading. Doors to be high and wide enough to permit easy movement of bulky equipment.

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
37 contd			Metal racking and shelving as required. Store to be secure; security cage may be incorporated for attractive items.
38a Sports Store	Establishment m ² 501 -750 28.0 over 750 42.0 max.	Illumination - 100 lux Outside light over external access. Electric Power - One 13A double socket outlet. Heating - 13.0°C.	For Army, Serial 38 may be located in QM Stores area. To have external access with stable type door with shelf on lower half to act as counter. Metal racking and shelving as required. High level windows and guard bars.
38b Adventurous Training Store	501 -750 36.0m ² over 750 42.0m ² max.	Illumination - 100 lux Heating - 13.0°C.	To have external access. To be justified at project brief stage.
38c Laundry and Drying Room Facility for Sports and Adventurous Training Clothing	10.0m ²	Illumination - 225 lux Electric Power - Power supplies for washing/ drying machines. Heating - 16.0°C.	Washing/drying machines to be provided and maintained from non-public funds. Sink with draining board. Shelving and hanging rails as required

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
38c contd		. Ventilation - Where adequate natural ventilation is not available, mechanical ventilation is to be provided. Water Supply - Hot and cold	.
39 Accommodation for Instructors a Offices			Refer to Scale 45. Glazed viewing panel to hall and entrance for control purposes. Fixed locker for V&A items.
b Changing/ Locker Room			Refer to Scale 40.
c Toilet/Shower Area	To be provided out of area addition Showers to be provided on the basis of 2 per 10 instructors		Refer to Scale 1 Annex B. Adjoining the locker room, with self-closing connecting door, and located in the same area as the facilities provided for general use.

PART 2 - SPORTS HALLS AND ASSOCIATED FACILITIES (contd)

FIXED EQUIPMENT

40 The following fixed equipment is to be provided for each main hall:

Service	Beams (a)	Wall Bars (Sections) (b)	Climbing Ropes (sets of 8) (c)	Suggested Location
Army (Except as below)	2	4	1	Activity Space
Army Basic Training Units	4	4	2	Main Hall End Wall
RN Training Establishments & RAF	2	3	2	Activity Space

NOTES

(a) Retractable (hinged) beams 5m high and 3.5m wide. May be single or double.

(b) A section of wall bars is 2.7m high and 840mm wide (between upright centres). For the Army a wall bar unit consists of 4 sections, for the RN and RAF it consists of 3 sections and incorporates the beams and the ropes.

(c) Ropes are to be ceiling mounted for the Army and RAF, roof mounted for the Navy. Ropes should be mounted on runners so that they can be retracted flush with the wall when not in use.

PART 3 - TRAINING SWIMMING POOLS AND ASSOCIATED FACILITIES

41 Training swimming pools may only be provided to meet the Services' training requirements. Recreational facilities afforded by a pool are to play no part in assessing the need for such a requirement. Consideration must also be given to sharing with other units' existing and proposed future facilities regardless of Service.

42 Attention is drawn to DCI JS13/04 "Safety in Swimming Pools operated by the Armed Forces".

43- 50 Spare.

Accommodation	Area	M & E Services	Planning Notes, Special Fittings, etc.
(a)	(b)	(c)	(d)
51 Entrance/Draught Lobby	To be provided out of area addition	Illumination - 175 lux External light over entrance. Supplementary lighting over mirror and notice board. Electric Power - Two 13A double socket outlets. Heating - 16.0°C.	Common entrance is desirable for combined sports hall and pool; otherwise refer to Serial 32. The entrance to the pool hall should preferably be located at the point where the surround is widest.

PART 3 - TRAINING SWIMMING POOLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
52 Swimming Pool	25m x 13m	<p>Illumination - 275 lux Safety lighting as required.</p> <p>Heating - Space and water: 25.0°C to 27.0°C.</p> <p>Ventilation - Mechanical ventilation with three to eight air changes per hour dependent upon type of building and construction.</p>	<p>The pool must be finished to the exact dimensions. Water depth at shallow end - 1.1m; at deep end - 3.5m; this depth to be maintained for a distance of 8.1m from the deep end, reducing to 1.8m at a distance of 13.7m from the deep end. Pool floor centre lane markings. Anchor points for lane ropes (Not Works supply). Starting blocks. Clear roof height 6.1m (minimum) above water level. Normally roofed in temperate zones only.</p>
53 Diving Boards 1 fixed board at 3m high 1 spring board at 1m high		Illumination - 275 lux	<p>For training jumps only. The depth of water and roof height of the swimming pool permit the use of a fixed board only at 3.0m high. A 3m spring board is not to be fitted for any reason.</p>

PART 3 - TRAINING SWIMMING POOLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
54 Pool Surrounds		Illumination - 275 lux Electric Power - Three extra low voltage socket outlets with monitored earth leakage circuit breakers. Power supplies for heating, ventilating and water treatment plant as required (see Serial 67). Space Heating - 25.0°C	Pool surround width may be varied to suit user requirements with the following limitations:- a. Pool dimensions are mandatory; b. Overall pool hall area must not exceed 600.0m ² ; c. Width of surround at the deep end to accommodate diving boards shall be not less than 4.0m and no side shall be less than 2.0m wide. Fixtures for life-saving equipment. Water polo net fixtures and storage. Pool alarm system.
55 Gallery	Length - 20m(minimum) x 3m	Illumination - 275 lux Electric Power - One 13A double socket outlet per 12.0m run of gallery (minimum 2 No).	Clear height 3.0m minimum. Balustrade (with transparent panels) minimum 1.1m high to protect those using the gallery. Planned along one long side of the pool hall, 3.0m deep with level floor

PART 3 - TRAINING SWIMMING POOLS AND ASSOCIATED FACILITIES (contd)

(a)	(b)	(c)	(d)
55 contd			suitable for instruction and for spectators. Access is to be direct from entrance or other main thoroughfare area and not via the swimming pool surround.
56 Attendant/Instructor's Room			Refer to Scale 45. Sited to give clear & unobstructed view of the pool. Locker for V&A items. With access to pool surround.
57 Drying Room	12.0m ²	Illumination - 175 lux Heating - Heating, circulation, and ventilation fans, all to requirements of articles to be dried.	Hanging rail with captive hangers at 150mm centres. Slatted shelf over hanging rails. Drainage channels in floor under hanging rail.
58 General Store	12.0m ²	Illumination - 100 lux Heating - 13.0°C.	Shelving as required. Access from surround.

59 - 60 spare

PART 4 - CHANGING AND ANCILLARY ACCOMMODATION

61 Changing facilities should be designed as units of 15 or 30 spaces in lockable rooms to provide flexibility in use and segregation of sexes. At least one unit for females will be provided. At least one shower and WC in each changing area should be suitable for use by disabled persons.

62 Where the sports hall is adjacent to the playing fields, the changing facilities should be aggregated and provided in the sports hall complex. External access, with an area for removing and washing football etc. boots, is to be provided.

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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PART 4 - CHANGING AND ANCILLARY ACCOMMODATION (contd)

Accommodation	Area	M & E Services	Planning Notes, Special Fittings, etc.
(a)	(b)	(c)	(d)
63 Changing Rooms	<p>Sports Hall or Swimming Pool 90 Spaces 63.0m² (0.7m² per space)</p> <p>Sports Hall & Swimming Pool 135 Spaces 95.0m²</p> <p>Larger Hall add 45 Spaces - 31.5m²</p>	<p>Illumination - 150 lux</p> <p>Ventilation - Where adequate natural ventilation is not available, mechanical ventilation is to be provided.</p> <p>Heating - 20.0°C</p> <p>Water Supply - Cold.</p>	<p>Bench seat, one clothes hook per changing space, one mirror to each changing room.</p> <p>Fittings if required for valuables box(es) (Not Works supply).</p> <p>Access to swimming pool to be via an automatic shower.</p>

PART 4 - CHANGING AND ANCILLARY ACCOMMODATION (contd)

(a)	(b)	(c)	(d)																				
64 Showers	<p>Sports Hall or Swimming Pool 18 showers 27.0m² (1.5m² per space)</p> <p>Sports Hall & Swimming Pool 27 showers 40.5m² Larger Hall add 9 showers - 13.5m²</p>	<p>As Serial 63 Water Supply - Hot and cold.</p>	<p>Showers to have individual thermostatic temperature control, separated from the changing areas by drying area. Soap holders, clothes hooks.</p>																				
65 Toilet Area	<p>To be provided out of area addition Sports Hall or Swimming Pool</p> <table> <tr> <td></td> <td>WCs</td> <td>WHBs</td> <td>Urinals</td> </tr> <tr> <td>Male</td> <td>3</td> <td>4</td> <td>3</td> </tr> <tr> <td>Female</td> <td>3</td> <td>3</td> <td></td> </tr> </table> <p>Sports Hall & Swimming Pool</p> <table> <tr> <td>Male</td> <td>5</td> <td>6</td> <td>5</td> </tr> <tr> <td>Female</td> <td>5</td> <td>5</td> <td></td> </tr> </table> <p>Larger Hall add 1 of each utensil for both sexes. 5.0m² for additional WC and WHB (accessible from communal area and suitable for disabled use) for spectators.</p>		WCs	WHBs	Urinals	Male	3	4	3	Female	3	3		Male	5	6	5	Female	5	5		<p>As Serial 63 Water Supply - Hot and cold.</p>	<p>To be planned adjacent to the changing accommodation. Drinking water point in each area. For fixtures and fittings refer to Scale 1 Annex B.</p>
	WCs	WHBs	Urinals																				
Male	3	4	3																				
Female	3	3																					
Male	5	6	5																				
Female	5	5																					

PART 4 - CHANGING AND ANCILLARY ACCOMMODATION (contd)

(a)	(b)	(c)	(d)
66 Cleaners' Room	3.5m ² for Sports Hall or Swimming Pool 4.6m ² for combined Sports Hall and Swimming Pool		Refer to Scale 1 Annex B.
67 Plant Room and Switchroom	<p>Part 2 & 4 100.0m² If squash courts are included in the P&RTC, the plant room should be increased by 20.0m²</p> <p>Part 3 Principal treatment plant 150.0m² Chemical Storage 20.0m² Ventilation Plant 75.0m²</p>	Refer to Scale 1 Annex B Serial 3.	<p>With external access. Principal treatment plant room to be sufficiently high to accommodate mezzanine metal structure. Space for electrical distribution, calorifiers for domestic hot water and cold water storage is included in col.(b) areas. Pool water treatment plant to maintain the purity of the water to a standard not less than that required by - 'Swimming Pool Water Treatment and Quality Standards-' published by the Pool Water Treatment Advisory Group (ISBN 0951- 7007-6-6).</p>

PART 4 - CHANGING AND ANCILLARY ACCOMMODATION (contd)

(a)	(b)	(c)	(d)
68 First Aid Treatment/ Rest Room	11.1m ²	Illumination - 350 lux. Supplementary lighting as required. Electric Power - One 13A double socket outlet. Power supply for medical equipment as required. Heating - 21.0°C Water Supply - Hot and cold.	Wash basin; fitted lockable first aid cupboard.

69 - 70 Spare

**PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS
PITCH SIZES**

71 Pitches are to be of the size recommended by the Sports Council in their 'Handbook of Sports and Recreational Building Design Vol. 1 - Outdoor Sports'

Association football 100.0m x 64.0m;
Cricket table 27.5m x 27.5m with a minimum boundary of 46.0m;
Hockey 91.4m x 56.09m;
Rugby football 144.0m x 70.0m;

72 They are to be sited to produce the most economical layout; hockey pitches and football pitches, for example are to be in the outfields of cricket grounds and grass running tracks are to be within the playing ground area. Where practical, sufficient space should be allowed to permit pitches to be shifted laterally to spread wear. The pitch surround must include space for the technical area and the substitutes' shelter

**PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS
(contd)**

SCALE 48

SYNTHETIC PITCHES

73 One soccer or hockey pitch within the authorised scale may be provided as a synthetic pitch where the establishment exceeds 1500. One synthetic pitch may be substituted for three grass pitches where required, especially:

a Where sufficient land is not available for the provision of grass pitches to the total of the authorised scale;

b At basic training units, colleges, schools, hospitals, and rehabilitation centres where games are part of the training syllabus;

c Where adverse climatic conditions prevail so that grass surfaced pitches would be rendered unplayable to such an extent that recreational training/sports programmes would be seriously affected.

74 Consideration should be given to marking out the pitch for other ball games such as 5-a-side, netball, tennis, etc.

75 The dimensions, fencing and lighting requirements are given in the design guide. A 3m high fence should be erected round the pitch, and 4-5m behind the goals, or when it is sited near to a building or road.

CRICKET TABLES

76 Synthetic cricket tables, as detailed in Serial 90, are to be provided as follows

- a As part of a new development;
- b Because the existing table needs to be relocated as part of a modernisation scheme;
- c Where the existing grass table has deteriorated to an unsatisfactory standard;
- d To bring the number up to scale.

77 One grass cricket table may continue to be provided at Services' cricket grounds listed at Serial 90.

RUNNING TRACK

78 A grass running track may be provided around grounds. A synthetic track will only be provided in exceptional circumstances.

79 Field Event facilities with approach or runway may include:

high jump landing area
pole vault landing area
long jump and/or triple jump pit
shot putting circle
discus throwing circle
hammer throwing circle and cage

SQUASH COURTS

80 Squash courts are normally sited within or adjacent to the sports hall complex (see Serial 24). Where two or more courts are provided they should normally be side by side.

81 Court dimensions - 9750 x 6400 x 5640mm high. (The height is from finished floor to the underside of light fittings).

82 When courts are not associated with a sports hall, two changing rooms, each 8.0m², with WC, shower, wash basin, and drinking water fountain may be provided, with a viewing gallery over.

PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS (contd)

83 M & E Services:-

Illumination - 500 lux at floor level.

Heating and ventilating systems (natural and mechanical) are to be provided to ensure suitable playing conditions (11.5-13°C) and to give a temperature of 10°C at external design conditions when a court is unused in order to reduce the risk of condensation. Where a court is integral with a sports hall, a dedicated heating system will normally be unnecessary if a ventilation system is provided to draw warm air into the court from other areas

TENNIS COURTS

84 Courts are to have a bound mineral surface in accordance with the design guide, and may be overmarked for other sports.

NETBALL COURTS

85 Netball courts may be provided from within the tennis court scale if other areas, such as parade grounds, are not available.

GROUND EQUIPMENT

86 The following equipment is to be provided:

Goal Posts	1 set of association football, hockey or rugby football posts per pitch.
	1 set of netball posts per court.
Tennis Posts	1 set per court.
Cricket Sight Screens	1 set per cricket table
Fixed score board	1 per garrison ground.

FENCING

87 Grounds boundary fencing is only to be erected where it is necessary to meet local requirements.

WATER SUPPLY

88 Mains water may be provided in the vicinity of pitches to allow for normal irrigation.

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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PART 5 - PLAYING FIELDS AND ANCILLARY ACCOMMODATION (contd)

89 Pitches, tables and courts may be provided as follows:-

Establishment	Pitches (a)	Cricket Tables Synthetic	Cricket Practice Nets Concrete	Squash Courts	Tennis Courts	Notes
Up to 50	-	-	-	-	1	(a) Allocated between football, hockey, and rugby as required.
50 - 100	1	-	-	-	1	(b) Only for isolated minor units.
101 - 150	1	1	2	1(b)	1	(c) Add 1 per 200 personnel up to 1800 and thereafter 1 per 250.
151 - 200	2	1	2	1(b)	1	(d) Add 1 per 500 personnel.
201 - 300	2	1	2	1	2	(e) Add 1 per 1000 personnel
301 - 400	3	1	2	2	2	(f) Add 1 per 500 personnel up to 2500 and thereafter 1 per 1000.
401 - 500	3	1	2	2	3	
501 - 600	4	2	3	2	4	
601 - 800	5	2	3	3	4	
801 - 1000	6	2	3	3	5	
Thereafter	(c)	(d)	(d)	(e)	(f)	

PHYSICAL AND RECREATIONAL TRAINING FACILITIES (contd)

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PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS (contd)

SERVICE CRICKET GROUNDS

90 Grass cricket tables are provided at the Service Cricket grounds listed below:-

(1) ROYAL NAVY	(2) ARMY	(3) ROYAL AIR FORCE
United Services Sports Ground, Burnaby Road, Portsmouth	Aldershot Officers Club Ground	Brize Norton No 1 Ground
CTC RM Lympstone, No 1 Ground	Bovington No 1 Ground	Cranwell No 1 Ground
Britannia RN College, Dartmouth No 1 Ground	(Camberley Staff College, No 1 Ground)	Halton No 1 Ground
HMS Drake, Plymouth, No 1 Ground	Catterick No 1 Ground	
	Chatham No 1 Ground, The Nore	
	Colchester Garrison, No 1 Ground	
	Hullavington No 1 Ground	
	Sandhurst RMA, No 1 Ground	
	Tidworth No 1 Ground	
	Woolwich Garrison No 1 Ground	

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PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS (contd)

PAVILIONS

92 A pavilion with the facilities listed at Serials 101 to 104 may be provided at sports grounds for units with an establishment of 301 personnel and above.

93 Where a sports hall or other adequate changing and washing facilities are located within half a mile walking distance from the sports grounds, the pavilion is not to be provided with team changing rooms (Serial 101) and officials' changing rooms (Serial 103) and showers are not to be included in the toilet area (Serial 102). The number of WCs, urinals and wash-hand basins shown at Serial 102 is to be halved (rounding up where necessary). See also Serial 62.

94 Pavilions are normally to be located near to the main pitches. A verandah is to be provided along the front of each pavilion in addition to the area of the pavilion.

95 The heating in sports pavilions should be fitted with a time control mechanism to ensure that the main part of the building is only heated when it is in use, or for sufficient time beforehand to bring it up to the ambient temperature. The toilet area, (Serial 102) should be provided with heating to frost precaution level at all times when the main heating is not operative.

96 Lockable sports shelters (Serial 105) may be provided, in addition to a pavilion, to serve the remainder of the entitled pitches where these are isolated from the pavilion. This should be particularly considered for Establishments in excess of 1500.

97 - 100 Spare.

PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS (contd)

Accommodation	Area	M & E Services	Planning Notes, Special Fittings, etc.
(a)	(b)	(c)	(d)
101 Team Changing Rooms (based on teams of 15)	15.0m ² per room Establishment No of Rooms 301 - 500 2 501 -1000 3 1001 -1500 4	Illumination - 125 lux Electric Power - One 13A double socket outlet. Heating - 16.0°C.	Doors with locks. Fixed bench seats around all walls. Clothes hooks at 0.3m centres. Fittings if required for valuables box(es) (Not Works supply) See also Serial 7 and 96
102 Toilet Area Shower Area	12.0m ² per changing room, containing 2 WCs, 2 WHBs, and 2 Urinals 8.0m ² per changing room, containing 4 showers 5.0m ² for additional WC and WHB (accessible from communal area and suitable for disabled use) for spectators.	Refer to Scale 1 Annex B Note: Water heating facilities will be provided having regard at each site to availability and capital cost of installation.	One toilet area and one shower area for each changing room. The shower and changing areas should be separated by a space for drying off. External boot washing facility. Details of fixtures and fittings are at Scale 1 Annex B.
103 Officials' Changing Room with WC and Shower	Establishment 501-1500 - 2 @ 9.5m ²		As Serial 101.

PART 5 - PLAYING FIELDS AND SPORTS PAVILIONS (contd)

(a)	(b)	(c)	(d)
104 Communal Area	Establishment m ² 301 - 500 25.0 501 - 1000 35.0 1001 - 1500 42.0	Illumination - 125 lux 100 lux for verandah Electric Power - Two 13A double socket outlets. Heating - 16.0°C. Water Supply - Hot and cold.	Direct entrance from front of building. Sink with draining board. Clothes hooks. Notice board. Facility to raise temperature to 18.5°C when necessary.
105 Sports Shelters	11.0m ²		No sanitary accommodation or internal fittings except clothes hooks. See Serial 96.
106 Machinery and POL Store	To be decided at project brief stage, dependent on location, local responsibility and regulations for upkeep.		May be separate from pavilion. Doorways to be not less than 2.6m high to permit access of grounds maintenance machinery fitted with anti-roll bars. Racking as required. Environmental precautions for POL as necessary.
107 Sports Ground Equipment Store	As for Serial 106		As Serial 106 (except for door height)
