LARGE GYMNASIUM

I. Purpose of Space. Gymnasium to include.
   A. 5 activity modules to accommodate any combination of the following, with no interference.
      1. 2 basketball courts.
      2. 3 tennis courts (minimum).
      3. 6 badminton courts.
      4. 4 volleyball courts.
      5. 4 paddle tennis courts.
   B. 6 Perimeter wall-mounted basketball backboards.
   C. Practice wall for tennis.
   D. Seating for 200 people.

II. Relationship to Other Spaces. Adjacent to central storage room for basketball standards, tennis standards and nets, volleyball standards and nets, badminton standards and nets.

III. Architectural Requirements.
   1. 15,000 square feet required with approximate dimensions, 135'-0" x 110'-0".
   2. Openable windows to enhance ventilation and for fan intake and
exhaust system with sufficiently low noise factor to permit instruction.


4. Design for access and use by handicapped and/or limited mobility students.

5. Smooth, hard surface rebounding wall - free of obstruction.

IV. Material Requirements.

A. Floor.

1. Smooth, composition surface with concrete subsurface.

2. Flush mounted floor plates to accommodate standards for volleyball, badminton, tennis.

3. Court markings for all activities.

4. Surface at entry doors to clean shoes before entering.

B. Ceiling.

1. Painted white for greater visibility.


3. Suspending hangers for drop nets.

C. Walls.

1. Painted in multiple color scheme.

2. Avoid pastel shades.
D. Doors.
   1. Access to indoor corridor.
   2. Minimum number of exit doors to outside within fire regulations.

V. Mechanical and Electrical Requirements.

A. Plumbing.
   1. 2 drinking fountains.
   2. 2 self-flushing cuspidors.

B. Heating, Ventilating and Air Conditioning.
   1. Temperature controlled at 64 degrees during heating season.
   2. Humidity control system.
   3. Warm air circulation.
   4. No air conditioning.
   5. Air intake and exhaust system.

C. Electrical.
   1. Indirect lighting, if possible.
   2. Normal emergency lighting system.
   3. Microphone connections and electrical outlets around perimeter.
   4. Clocks.
   5. Electrical outlets on floor surface.
   6. Key-controlled lighting system.
   7. Smoke detection system.
8. Fire alarm system.

D. Telephone and Communication: Intercom system to all rooms, corridors, and offices.

VI. Equipment and Furnishings.

1. 4 portable scoreboards.
2. Portable basketball standards.
4. Volleyball officials stands.
5. Drop nets.
SMALL GYMNASIUM

I. Purpose of Space. Gymnasium to include.

A. 5 activity modules to accommodate any combination of the following with no interference.
   1. 2 basketball courts.
   2. 3 tennis courts.
   3. 6 badminton courts.
   4. 4 volleyball courts.
   5. 4 paddle tennis courts.

B. 6 perimeter ceiling suspended basketball backboards.

C. Practice wall for tennis.

D. Climbing wall for rock climbing practice.

II. Relationship to Other Spaces. Adjacent to central equipment storage room for basketball standards, tennis standards and nets, volleyball standards and nets, badminton standards and nets.

III. Architectural Requirements:

1. 14,300 square feet required with approximate dimensions, 130'-0" x 110'-0".

2. Openable windows to enhance ventilation and for fan intake and
exhaust system with sufficiently low noise factor to permit instruction.


4. Design for access and use by handicapped and/or limited mobility students.

5. Smooth, hard surface rebounding wall - free of obstruction.

IV. Material Requirements.

A. Floor.

1. Smooth, composition surface with concrete subsurface.

2. Flush mounted floor plates to accommodate standards for volleyball, badminton, tennis.

3. Court markings for all activities.

4. Surface at entry doors to clean shoes before entering.

B. Ceiling.

1. Painted white for greater visibility.


3. Suspended hangers for drop nets.

C. Walls.

1. Painted in multiple color scheme.

2. Avoid pastel shades.
D. Doors.
   1. Access to indoor corridors.
   2. Minimum number of exit doors to outside within fire regulations.

V. Mechanical and Electrical Requirements.
A. Plumbing.
   1. 2 drinking fountains.
   2. 2 self-flushing cuspidors.

B. Heating, Ventilating and Air Conditioning.
   1. Temperature controlled at 64 degrees during heating season.
   2. Humidity control system.
   3. Warm air circulation.
   4. No air conditioning.
   5. Air intake and exhaust system.

C. Electrical.
   1. Indirect lighting, if possible.
   2. Normal emergency lighting system.
   3. Microphone connections and electrical outlets around perimeter.
   4. Clocks.
   5. Electrical outlets on floor surface.
   6. Key-controlled lighting system.
   7. Smoke detection system.
8. Fire alarm system.

D. Telephone and Communication.
1. Intercom system to all rooms, corridors, and offices.
2. Music system.

V. Equipment and Furnishings.
1. 4 portable scoreboards.
2. Portable basketball standards.
4. Drop nets.
5. Safety lines for climbing wall.
GYMNASTICS ROOM

I. Purpose of Space. To provide permanently set-up gymnastic facilities for recreational and instructional use.

II. Relationship to Other Spaces. Adjacent to central equipment storage area.

III. Architectural Requirements.

1. 3700 square feet required with approximate dimensions of 85'-0" x 60'-0".

2. Openable windows to enhance ventilation and for fan intake and exhaust system with sufficiently low noise factor to permit instruction.


4. Design for access and use by handicapped and/or limited mobility students.

IV. Material Requirements.

A. Floor.

1. Smooth composition surface with concrete subsurface.

2. Flush mounted floor plates for attaching equipment.

3. Surface at entry doors to clean shoes before entering.
B. Ceiling.
   1. Painted white for greater visibility.

C. Walls.
   1. Painted in multiple color scheme.
   2. Avoid pastel shades.

D. Doors.
   1. Access to indoor corridors.
   2. Minimum number of exit doors to outside within fire regulations.

V. Mechanical and Electrical Requirements.

A. Plumbing.
   1. 2 drinking fountains.
   2. 2 self-flushing cuspidors.

B. Heating, Ventilating and Air Conditioning.
   1. Temperature controlled at 64 degrees during heating season.
   2. Humidity control system.
   3. Warm air circulation.
   4. No air conditioning.
   5. Air intake and exhaust system.

C. Electrical.
   1. Indirect lighting, if possible.
2. Normal emergency lighting system.
3. Microphone connections and electrical outlets around perimeter.
4. Clocks.
5. Key-controlled lighting system.
6. Smoke detection system.
7. Fire alarm system.

VI. Equipment and Furnishings.

1. 1 trampoline.
2. 1 floor exercise mat.
3. 2 parallel bars.
4. 1 side horse.
5. 3 springboards.
6. 2 balance beams.
7. 1 flying ring.
8. 2 climbing ropes.
9. 3 chalk bins.
AUXILIARY GYMNASIUM

I. Purpose of Space. To provide space for conditioning, dance, elementary education, judo, etc.

II. Relationship to Other Spaces. Adjacent to equipment dispersal area.

III. Architectural Requirements.

1. Approximately 3500 square feet.
2. Ceiling height minimum 15'-0".
3. Design for access and use by handicapped and/or limited mobility students.
4. Openable windows to enhance ventilation.
5. Smooth, hard surface, rebounding wall - free of obstructions.

IV. Material Requirements.

A. Floor.

1. Smooth, composition surface with concrete subsurface.
2. Surface at entry doors to clean shoes before entering.

B. Ceiling: Painted white for greater visibility.

C. Walls.

1. Painted in multiple color scheme.
2. Avoid pastel shades.
D. Doors: Two pair of double doors.

V. Mechanical and Electrical Requirements.

A. Plumbing: None.

B. Heating, ventilating and air conditioning.
   1. Temperature controlled at 64 degrees during heating season.
   2. Humidity control system.
   3. Warm air circulation.
   4. No air conditioning.

C. Electrical.
   1. Indirect lighting.
   2. Clocks.
   3. Electrical outlets around perimeter.
   4. Key-controlled lighting system.

D. Telephone and Communication: Intercom system to all rooms.

VI. Equipment and Furnishings. Portable mini-basketball goals.
I. Purpose of Space. To provide regulation handball facilities for recreational and instructional use, built to National Handball Association specifications.

II. Relationship to Other Spaces.
   1. Adjacent to locker area.
   2. Adjacent to check-out.

III. Architectural Requirements.
   1. Approximately 800 square feet each.
   2. Ceiling height, 20'-0".
   3. Observation area to accommodate minimum of 24 viewers (students) adjacent to rear wall of glass in each court.

IV. Material Requirements.
   A. Floor: Hardwood on sleepers.
   B. Ceiling: Reinforced plaster.
   C. Walls: Reinforced plaster.
   D. Doors: 1 small entrance door at floor level.

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
   B. Heating, Ventilating and Air Conditioning.
1. Standard heating and ventilating.

2. No air conditioning.

C. Electrical: Recessed ceiling lights.

D. Telephone and Communication: None.

VI. Equipment and Furnishings.

1. Possibly benches in observation area.

2. Built-in key storage in interior wall.
SQUASH COURTS (6)

I. Purpose of Space. To provide regulation squash for recreational and instructional use.

II. Relationship to Other Spaces.
   1. Adjacent to locker area.
   2. Adjacent to check-out.

III. Architectural Requirements.
   1. Approximately 1125 square feet each.
   2. Ceiling height, 32'-0".
   3. Observation area to accommodate minimum of 16 viewers (students).

IV. Material Requirements.
   A. Floor: Hardwood on sleepers.
   B. Ceiling: Reinforced plaster.
   C. Walls: Reinforced plaster.
   D. Doors: 1 small entrance door at floor level.

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
   B. Heating, Ventilating and Air Conditioning.
      1. Standard heating and ventilating.
2. No air conditioning.

C. Electrical.
   1. Recessed overhead lighting.
   2. Low-level corridor lighting.

D. Telephone and Communication: None.

VI. Equipment and Furnishings.
   1. Possibly benches in observation area.
   2. Steel "telltale" strip on walls 17" above floor.
BAREFOOT STUDIO

I. Purpose of Space. To allow for the practice of ballet and fencing.

II. Relationship to Other Spaces.
   1. Adjacent to other dance areas.
   2. Directly adjacent to equipment storage.

III. Architectural Requirements.
   1. Approximately 3200 square feet.
   2. Ceiling height, no less than 12 feet.
   3. Offer pull-out bleachers to seat 50 people.
   4. Rectangularly shaped room (45'-0" x 70'-0").

IV. Material Requirements.
A. Floor.
   1. Hardwood on sleepers.
   2. Lane markings on floor for fencing.
B. Ceiling: Acoustical material.
C. Walls.
   1. Painted in variable color scheme.
   2. Avoid pastel shades.
D. Doors: Two pair of double doors.
V. Mechanical and Electrical Requirements.

A. Plumbing: None.

B. Heating, Ventilating and Air Conditioning: Standard.

C. Electrical: Ceiling mounted direct and indirect lighting and perimeter outlets.

D. Telephone and Communication: Two-way communication system with main office area.

VI. Equipment and Furnishings.

1. Storage providing space for sound system.

2. Wall mirror along entire length of one wall.
DANCE STUDIOS (2)

I. Purpose of Space. To allow for practice of dance and conditioning.

II. Relationship to Other Spaces.
   1. Adjacent to other dance areas.
   2. Directly adjacent to equipment storage.

III. Architectural Requirements.
   1. Approximately 2800 square feet.
   2. Ceiling height, no less than 12 feet.
   3. Movable panel partition separating the two studios.
   4. Partition should offer an access door for between-rooms communication.
   5. Rectangularly shaped room (40' - 0" x 70' - 0").

IV. Material Requirements.
   A. Floor: Hardwood on sleepers.
   B. Ceiling: Acoustical material.
   C. Walls.
      1. Painted in variable color scheme.
      2. Avoid pastel shades.
   D. Doors: Two pair of double doors.
V. Mechanical and Electrical Requirements.

A. Plumbing: None.

B. Heating, Ventilating and Air Conditioning: Standard.

C. Electrical: Ceiling mounted direct and indirect lighting and perimeter outlets.

D. Telephone and Communication: Two-way communication system with main office area.

VI. Equipment and Furnishings. Storage providing space for sound system.
I. Purpose of Space. To provide training facility for wrestling, karate, judo, yoga and related activities.

II. Relationship to Other Space.
   1. Adjacent to other specialized recreational areas.
   2. Directly adjacent to equipment storage.

III. Architectural Requirements.
   1. Approximately 3200 square feet.
   2. Ceiling height, no less than 12 feet.
   3. Movable panel partition offering a potential of dividing the room into two units.
   4. Partition should offer an access door for between-rooms communication.

IV. Material Requirements.
   A. Floor: All purpose synthetic surface having a non-textured easily cleaned character.
   B. Ceiling: Acoustical material.
   C. Walls.
      1. Hard surface.
      2. Surfaces from floor to an elevation of six feet should be covered
with a shock absorbing material with a protective vinyl
impregnated cover.

D. Doors.
   1. Two pair of double doors.
   2. Double door access to storage room without center jamb.

V. Mechanical and Electrical Requirements.

A. Plumbing.
   1. At least 4 self-flushing cuspidors.
   2. 4 drinking fountains.

B. Heating, Ventilating and Air Conditioning: A capacity should exist to
elevate the temperature of this room independent of other areas of the
building as well as provision for quick exhaust of heat to enable
quick reduction of temperature (possible radiant heat).

C. Electrical: Ceiling mounted direct lighting and perimeter outlets.

D. Telephone and Communications: Two-way communication system with main
office area.

VI. Equipment and Furnishings.
   1. Cabinetry providing space for first-aid supplies.
   2. Small freezer to contain prepackaged ice.
   3. Several drawers which can be locked.
   4. Swing-down surface to serve as a desk and located high enough to
permit writing while in a standing posture.

5. Main mat (40' x 40') appropriately marked for wrestling.

6. Ensolite perimeter mats sized to provide encirclement of mat surface.
WEIGHT ROOM

I. **Purpose of Space.** To provide additional space for weightlifting and related activities.

II. **Relationship to Other Space.**
   1. Adjacent to other specialized recreational areas.
   2. Adjacent to locker rooms.

III. **Architectural Requirements.**
   1. Approximately 2200 square feet.
   2. Ceiling height, no less than 10 feet.
   3. Structural considerations for additional weight and shock loads.

IV. **Material Requirements.**
   A. Floor: All purpose synthetic surface having a non-textured easily cleaned character.
   B. Ceiling: Acoustical material.
   C. Walls.
      1. Painted in multiple color scheme.
      2. Avoid pastel shades.
   D. Doors: Two pair of double doors.
V. Mechanical and Electrical Requirements.

A. Plumbing.
   1. At least 2 self-flushing cuspidors.
   2. 2 drinking fountains located in this area.

B. Heating, Ventilating and Air Conditioning: Standard.

C. Electrical: Ceiling mounted direct lighting and perimeter outlets.

D. Telephone and Communications: Two-way communications system with main office area.

VI. Equipment and Furnishings.

1. Cabinetry providing storage space for dumbbells, weights, jump ropes, etc.

2. Swing-down surface to serve as a desk.

3. Free weights and Nautilus as required by the Women's Physical Education Department.
ARCHERY/RIFLE/GOLF RANGE

I. Purpose of Space. To accommodate archery, riflery, and golf for class and recreation use through the provision of specialized equipment.

II. Relationship to Other Spaces.
   1. Adjacent to other specialized recreational areas.
   2. Adjacent to secured armory and classroom.

III. Architectural Requirements.
   1. Approximately 2000 square feet required.
   2. Ceiling height, 15'-0".
   3. Provision for utilizing natural light for illumination by placement of long strips of window area located high on outside walls.
   4. Rectangularly-shaped room.

IV. Material Requirements.
   A. Floor: Dirt Floor
   B. Ceiling: Acoustical material over bullet-proof construction.
   D. Doors: Single pair of double doors without center jamb.

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
B. Heating, Ventilating and Air Conditioning.

1. Capacity to maintain 65 degrees in the winter months.
2. Summer ventilation through opening windows and induced air movement.
3. Sufficient ventilation to carry off powder fumes.

C. Electrical.

1. Recessed ceiling fixtures for normal illumination.
2. Eyeball spot or flood lighting of the archery target area for high illumination.

D. Telephone and Communication: Two-way communication.

VI. Equipment and Furnishings. Nylon curtains for stopping arrows and balls.

A. Archery.

1. Curtain behind targets on end wall.
2. Curtain must be no less than eighteen inches from the wall and suspended from the ceiling, hanging loosely.
3. Targets should be comprised of corrugated paper units.

B. Riflery.

1. 3/8 inch steel plate at an angle of 30 to 45 degrees at a distance 2 feet behind the targets.
2. A sandbox should be placed on the floor in front of the steel backside to catch deflected bullets.
3. An armory shall be directly adjacent to the range for storage of
bows, arrows, guns and ammunition.

C. Golf.

1. Nylon curtains arranged to slide freely from overhead tracks.

2. Curtains should offer the capacity to divide the entire area into
eight foot wide compartments.

3. Fixed cabinetry units should provide storage for clubs, balls
and portable mats, greens and holes. These units should be
large, carefully designed and comprise much of the space offered
by the end of the room which is opposite the target area.
POOL & DECK

I. **Purpose of Space.** Provide a full fifty meter pool with diving well and indicated racing lanes across and length of the entire pool. For use by persons in instructional, recreational and/or athletic pursuits. Paraplegic entrance shall be provided.

II. **Relationship to Other Spaces.**

1. Adjacent to locker rooms.
2. Adjacent to aquatic offices.
3. Adjacent to a storage area.

III. **Architectural Requirements.**

A. **Pool.**

1. 50 meters + 1" (165) x 75 feet + 1" with rimflow gutter system.
2. Constant 3 feet to 9 foot deep for first 100 feet, then slope to 7 feet to 0 inches for the remaining length.

B. **Diving Well.**

1. 2 one meter springboards.
2. 2 three meter springboards.
3. 1 one meter diving platform.
4. 1 three meter diving platform.
5. 1 five meter diving platform.
C. Deck: Adequate for 300 sunbathers.
D. Roof: Removable roof for summer usage.

IV. Material Requirements.
A. Floor: Ceramic tile.
B. Ceiling: 20'-0" height with humidity-proof material.
C. Walls: Humidity-proof material.
D. Windows: Windows to be provided if no glare is permitted on water.

V. Mechanical and Electrical Requirements.
A. Plumbing.
   1. Necessary for recirculation and filtration system to be connected to Lewellen Aquatic Centers existing facilities.
   2. Water agitation device for diving well.
B. H.V.A.C.
   1. Adequate to maintain humidity and heat levels.
      a. Water 78 - 80 degrees.
      b. Air 81 - 83 degrees.
C. Electrical.
   1. Indirect lighting in general area.
   2. Theatrical lighting for aquatic performances.
   3. Underwater lights.
   4. Hook-ups for automatic timing system.
D. Telephone and Communication.
   1. Intercom.
   2. Telephone.
   3. P/A system for music and events.

VI. Equipment and Furnishings.
A. Platform tower.
   1. 1 one meter.
   2. 1 three meter.
   3. 1 five meter.
B. Springboards.
   1. 2 one meter.
   2. 2 three meter.
C. Lifeguard stations: 6 portable-type.
D. Line buoys with anchors.
E. Safety devices.
   1. Shepherd's hooks.
   2. Oxygen.
   3. Resuscitator.
F. Scoreboard and lane-timing devices.
G. Underwater windows.

1. Diving well.

2. Racing course.
AQUATIC STORAGE AREA

I. Purpose of Space. To provide space for the storage of items used in the aquatic area. These would range from canoes to scuba gear.

II. Relationship to Other Spaces.
   1. Adjacent to 50 meter pool.
   2. Adjacent to aquatic offices.

III. Architectural Requirements.
   1. Approximately 500 square feet.
   2. Ceiling height, minimum 12'-0".
   3. No windows required.

IV. Material Requirements.
   A. Floor: Finished concrete.
   B. Ceiling: Paint on hard surface.
   C. Walls: Paint on hard surface.
   D. Doors: Double doors, 3'-0" x 8'-0".

V. Mechanical and Electrical Requirements.
   A. Plumbing.
      1. Floor drain.
      2. Work sink.
B. Heating, Ventilating and Air Conditioning.
   1. Standard requirements for heating and ventilating.
   2. No air conditioning required.

C. Electrical.
   1. Overhead lighting.
   2. Wall outlets.

D. Telephone and Communication: Intercom.

VI. **Equipment and Furnishings.**
   1. Appropriate lockable storage cabinets for equipment.
   2. 2 file cabinets.
ELEVATED TRACK

I. Purpose of Space. To provide an exercise trail/track which will also serve as a viewing area for the aquatics area.

II. Relationship to Other Spaces. Adjacent and overlooking 50 meter pool.

III. Architectural Requirements.

1. Ceiling height, 8' minimum.
2. Railing protection at overlook.

IV. Material Requirements.

A. Floor: Synthetic surface.
B. Ceiling: Humidity-resistant with acoustical properties.
C. Walls: Paint on hard surface.
D. Doors: Necessary exit doors.

V. Mechanical and Electrical Requirements.

A. Plumbing.

1. 3 drinking fountains.
2. 3 self-flushing cuspidors.

B. Heating, Ventilating and Air Conditioning: Requirements similar to aquatic space.

C. Electrical: Recessed ceiling fixtures.
D. Telephone and Communication.
   1. Intercom.
   2. Sound system speakers.

VI. Equipment and Furnishings. Exercise trail equipment.
EQUIPMENT STORAGE/DISPERsal

I. Purpose of Space.
   1. To provide space to store equipment needed for all recreational areas other than aquatics.
   2. To provide area to disperse such equipment for use.

II. Relationship to Other Spaces. Easily accessible to all recreational areas.

III. Architectural Requirements.
   1. Approximately 3000 square feet.
   2. Minimum ceiling height, 10 feet.
   3. Dispersal window (10'-0" wide) with roll-down security cover.

IV. Material Requirements.
   A. Floor: Vinyl tile.
   B. Ceiling: Paint on hard surface.
   C. Walls: Paint on hard surface.
   D. Doors: An entry/exit door to hall and combat/dance studio, sized properly for equipment to be moved.

V. Mechanical and Electrical Requirements.
   A. Plumbing.
      1. Deep sink in work surface.
      2. Floor drain.
B. Heating, Ventilating and Air Conditioning.

1. Standard temperature controlled heating and ventilation.
2. No air conditioning.
3. Humidity control required.

C. Electrical

1. Direct lighting—surface mounted lighting.
2. Wall outlets.
3. Smoke/fire detector system.

D. Telephone and Communication

1. Intercom.
2. Telephone.

VI. Equipment and Furnishings.

1. Lockable cabinetry to be designated in terms of inventory list to be suggested later.
3. Work surface.
4. 2 stools.
5. Desk.
6. Desk chair.
7. 2 file cabinets.
SMALL CLASSROOMS (2)

I. Purpose of Space.
   1. Classroom for 15 students.
   2. Meeting room for student advisory board and group meetings.

II. Relationship to Other Spaces. Located adjacent to other classrooms and near main entrance.

III. Architectural Requirements. Total area approximately 216 square feet.

IV. Material Requirements.
   A. Floor: Carpeting.
   B. Ceiling: No special requirements.
   C. Walls: No special requirements.
   D. Doors: No special requirements.

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
   B. Heating, Ventilating and Air Conditioning: Standard.
   C. Electrical.
      1. Normal wall outlets.
      2. Wall clock.
   D. Telephone and Communication: None.
VI. Equipment and Furnishings.

1. Round conference table.
2. 15 small chairs around the table.
3. 6 extra folding chairs.
5. Tackboard.
LARGE CLASSROOMS (3)

I. Purpose of Space. Classroom space for 40 students.

II. Relationship to Other Spaces. Located adjacent to other classrooms and near main entrance.

III. Architectural Requirements. Sloped floor and seating arrangement.

IV. Material Requirements.
   A. Floor: Carpeting.
   B. Ceiling: No special requirements.
   C. Walls: No special requirements.
   D. Doors: No special requirements.

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
   B. Heating, Ventilating and Air Conditioning: Standard.
   C. Electrical.
      1. Normal wall outlets.
      2. Wall clock.
   D. Telephone and Communication: None.

V. Equipment and Furnishings.
   1. 40 desks.
2. 40 chairs.
3. Chalkboard.
4. Tackboard.
5. Projection screen.
6. Instructors podium.
FIRST-AID CLASSROOM

I. **Purpose of Space.** Specialized teaching facilities for first-aid instruction.

II. **Relationship to Other Spaces.** Located adjacent to other classrooms and near main entrance.

III. **Architectural Requirements.** Approximately 2000 square feet required.

IV. **Material Requirements.**
   
   A. Floor: V.A. tile.
   
   B. Ceiling: No special requirements.
   
   C. Walls: No special requirements.
   
   D. Doors: One pair of double doors.

V. **Mechanical and Electrical Requirements.**

   A. Plumbing: 3 clean-up sinks.
   
   B. Heating, Ventilating and Air Conditioning: Standard.
   
   C. Electrical.
   
   1. Normal wall outlets.
   
   2. 6 drop cord outlets.
   
   3. Wall clock.
   
   D. Telephone and Communication: None.
VI. Equipment and Furnishings.

1. 25 desks.
2. 25 chairs.
3. Chalkboard.
4. Tackboard.
5. Projection screen.
6. Instructors podium.
7. Lockable storage closets.
8. Movable examination tables.
LOUNGE AREAS

I. Purpose of Space. To provide an area to relax and participate or watch various table games and activities.

II. Relationship to Other Spaces. Will serve as a feeder space which other activity areas will branch off.

III. Architectural Requirements. Varied ceiling heights.

IV. Material Requirements.

A. Floor: Carpet and synthetic surface.

B. Ceiling: Should have acoustical properties.

C. Walls: Varied.

D. Doors: Necessary exit doors.

V. Mechanical and Electrical Requirements.

A. Plumbing

1. Drinking fountains.

2. Vending hook-ups.

B. Heating, Ventilating and Air Conditioning: Standard.

C. Electrical: Direct and indirect lighting.
D. Telephone and Communication

1. Intercom.
2. Sound system speakers.

VI. Equipment and Furnishings.

1. Informal lounge seating.
2. Tables and chairs.
3. 4 Ping-Pong tables.
4. 4 pool tables.
5. 2 billiards tables.
6. 6 chess/checkers board.
PUBLIC RESTROOMS (2)

I. Purpose of Space. Provide toilet facilities for visitors and spectators.

II. Relationship to Other Spaces.
   1. Adjacent to central corridor and entrance.
   2. Centrally located to all recreational areas.

III. Architectural Requirements.
   1. Approximately 150 square feet for each restroom.
   2. Ceiling height, 9'-0".

IV. Material Requirements.
   A. Floor: Ceramic tile.
   B. Ceiling: Paint on hard surface.
   C. Walls: Ceramic tile.
   D. Doors: Standard size.

V. Mechanical and Electrical Requirements.
   A. Plumbing: Code requirements.
   B. Heating, Ventilating and Air Conditioning.
      1. Standard requirements for heating and ventilating.
      2. No air conditioning.
   C. Electrical: Outlets above sinks.

VI. Equipment and Furnishings. Wall mirrors.
SUPPLY SHOP

I. Purpose of Space.
   1. For selling supplies and equipment.
   2. Storage facility.

II. Relationship to Other Spaces. Available to walk-in customers and others already using the recreational facility.

III. Architectural Requirements. Total area approximately 110 square feet.

IV. Material Requirements.
   A. Floor: No special requirements.
   B. Ceiling: Acoustical tile.
   C. Walls.
      1. Counter for sales and peg board.
      2. 1 glass wall for display.
   D. Doors: Special lock (not on the master key).

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
   B. Heating, Ventilating and Air Conditioning: Standard.
C. Electrical.
   1. Display lights.
   2. Normal wall outlets.
   3. Cash register.
   4. Wall clock.

VI. Equipment and Furnishings.
   1. Cash register.
   2. Small desk.
   3. Typewriter.
   4. Adding machine.
AQUATIC OFFICES

I. Purpose of Space. To provide office spaces for the aquatic staff.

II. Relationship to Other Spaces.
   1. Directly adjacent to pool (eye contact).
   2. Adjacent to aquatic storage.

III. Architectural Requirements.
   1. Approximately 150 square feet.
   2. Windows to pool area.

IV. Material Requirements.
   A. Floor: Carpet.
   B. Ceiling: Acoustical tile.
   C. Walls: Paint on hard surface.
   D. Doors: One door for entry with access to aquatics area.

V. Mechanical and Electrical Requirements.
   A. Plumbing: No plumbing needed.
   B. Heating, Ventilating and Air Conditioning: Standard requirements.
   C. Electrical.
      1. 1 telephone.
      2. Intercom system.
      3. Music system.
VI. Equipment and Furnishings.

1. Desk
2. Desk chair.
3. 2 side chairs.
4. Typewriter.
5. Cabinets.
7. File cabinet.
BUILDING SUPERVISOR'S OFFICE

I. Purpose of Space. Building Supervisor's office.

II. Relationship to Other Spaces. Near the Director's office.

III. Architectural Requirements. Total area approximately 110 square feet.

IV. Material Requirements.
   A. Floor: No special requirements, compatible with other office areas.
   B. Ceiling: No special requirements, compatible with other office areas.
   C. Walls: No special requirements, compatible with other office areas.
   D. Doors: No special requirements, compatible with other office areas.

V. Mechanical and Electrical Requirements.
   A. Plumbing: None.
   B. Heating, Ventilating and Air Conditioning: Standard.
   C. Electrical.
      1. Normal wall outlets.
      2. Wall clock.
   D. Telephone and Communication.
      1. 1 telephone.
      2. Intercom.
VI. Equipment and Furnishings.

1. 1 desk and chair.
2. 2 other chairs.
3. 1 file cabinet.
4. Bookcase for equipment and machinery journals.
5. Tackboard.
GENERAL OFFICE AREA

I. Purpose of Space.
   1. Receptionist/secretary.
   2. Information counter.
   3. Receiving and waiting area for users, visitors, and general public.

II. Relationship to Other Spaces.
   1. Near director and assistant director.
   2. Accessible to corridor.

III. Architectural Requirements.
   1. Approximately 3000 square feet.
   2. Windows - outside light and good all-round light.
   4. Soft area should be away from direct flow of traffic.
   5. Receptionist must be able to see entrance and area surrounding corridor.

IV. Material Requirements.
   A. Floor: Carpeting.
B. Ceiling: Accoustical tile.

C. Walls: Painted (murals of recreational nature).

D. Doors: Entrance doors - wood.

V. Mechanical and Electrical Requirements.

A. Plumbing: Normal.

B. Heating, Ventilating and Air Conditioning: Standard.

C. Electrical: Large clock.

D. Telephone and Communication: Intercom system.

VI. Equipment and Furnishings.

1. Soft seating area for 3-4 people.

2. Secretary/receptionist desk, typewriter, and chair.

3. Clerk/typist/cashier desk, typewriter, and chair.

4. 3 telephone lines.

5. Adding machines.

6. Calculator.

7. Files and storage area.

8. Display/brochure counter/cabinet.


10. Coat rack area.
INTERRAMURAL DIRECTOR'S OFFICE

I. Purpose of Space. To house the chief administrative officer of the facility, who also has the task of reviewing the operations with University Administration, Student Advisory Board and the Building Supervisor. He also will work in close relation with his assistants.

II. Relationship to Other Spaces.
   1. Near the secretary/receptionist (General Office area).
   2. Near the Business Manager/Asst. Director's office.
   3. Near the Meeting Room.

III. Architectural Requirements.
   1. Approximately 216 square feet.
   2. Outside light is desirable.
   3. Should be able to have 4 guests present for general meetings.
   4. Storage place for books, manuals, etc.
   5. Desk area.
   7. Some sound isolation.
IV. Material Requirements.

A. Floor: Carpeting.
B. Ceiling: Acoustical tile.
C. Walls: Vinyl fabric.
D. Doors: Wood.

V. Mechanical and Electrical Requirements.

A. Plumbing: Normal.
B. Heating, Ventilating and Air Conditioning: Standard.
C. Electrical: Normal.
D. Telephone and Communication.
   1. Telephone (DD).
   2. Intercom.

VI. Equipment and Furnishings.

1. Desk and chair.
2. Credenza.
4. Carpentry.
5. Soft area to seat 4-5 persons.
6. 3 guest chairs.
7. Tackboard.
8. Chalkboard (out of view).
10. Storage cabinets.
11. Wall space for charts, calendars, and programs.
12. Wall clock.
CAGE AREA

I. Purpose of Space.
   1. To provide service to the locker rooms by handing out locks, keys, towels, and baskets.
   2. To supervise locker room areas and provide security.
   3. To provide space for laundering towels and university owned apparatus.

II. Relationship to Other Spaces. Directly adjacent to both locker rooms by means of service window counters.

III. Architectural Requirements.
   1. Approximately 1250 square feet.
   2. Ceiling height, 10'-0" minimum.
   3. Built-in counters w/  
   4. 2 service windows
   5. Roll-down closures.

IV. Material Requirements.
   A. Floor: Carpeting.
   B. Ceiling: Acoustical tile.
   C. Walls: Paint on hard surface.
   D. Doors: 2 service doors, 3'-0" x 6'-8" (one to each locker room)
V. Mechanical and Electrical Requirements.

A. Plumbing.
   1. Deep sink.
   2. Floor drain.
   3. 3 washer hook-ups.

B. Heating, Ventilating and Air Conditioning: Standard requirements for locker area.

C. Electrical.
   1. Wall outlets.
   2. Overhead lighting.
   3. 2 dryer hook-ups.

D. Telephone and Communication.
   1. Telephone.
   2. Intercom.
   3. Sound system speakers.

VI. Equipment and Furnishings.

1. 2 desks.
2. 2 desk chairs.
3. 2 file cabinets.
4. Key cabinets.
5. Basket storage modules for 4000 people.
6. 3 washers - commercial type.
7. 2 dryers - commercial type.
8. Metal shelving.
TRAINING ROOM

I. Purpose of Space. Treatment of injuries incurred in recreational areas.

II. Relationship to Other Spaces.
   1. Directly related to Cage Area (supervision).
   2. Preferably near recreational areas.

III. Architectural Requirements.
   1. Total area approximately 1500 square feet.
   2. Wide doors in and out.

IV. Material Requirements.
   A. Floor: V.A. tile.
   B. Ceiling: Acoustical tile.
   C. Walls: Washable paint.
   D. Doors: Wide for stretcher.

V. Mechanical and Electrical Requirements.
   A. Plumbing: Sink, water.
   B. Heating, Ventilating and Air Conditioning: Standard.
   C. Electrical.
      1. Normal wall outlets, including one for refrigerator.
      2. Good lighting over work area (table/bed).
D. Telephone and Communication: Phone in room or close by.

VI. Equipment and Furnishings.

1. 3 beds or trainer's tables.
2. Blankets.
3. Sheets.
5. Chair.
LOCKER ROOMS (2)

I. Purpose of Space. To provide dressing and storage room for recreational participants (both men's and women's).

II. Relationship to Other Spaces.
   1. Directly adjacent to aquatic area.
   2. Directly adjacent to exercise rooms, cage, and saunas.
   3. Directly adjacent to showers and lavatories.
   4. Centrally located to all recreational areas.

III. Architectural Requirements.
   1. Approximately 5000 square feet each.
   2. Ceiling height, 10'-0" minimum.

IV. Material Requirements.
   A. Floor: Carpeting.
   B. Ceiling: Acoustically treated.
   C. Walls: Paint on hard surface.
   D. Doors: Located discreetly to allow for privacy as well as easy access.

V. Mechanical and Electrical Requirements.
   A. Plumbing: Drinking fountain in each.
B. Heating, Ventilating and Air Conditioning: Heating and ventilating should keep the space comfortable for dressing during all seasons.

C. Electrical.
   1. Overhead lighting.
   2. Wall outlet.
   3. Hair dryers.

D. Telephone and Communication: Sound system speakers.

VI. Equipment and Furnishings.
   1. 960 half-lockers (12" x 12" x 36") in each room.
   2. Built-in benches.
   3. Wall mirrors.
   4. Hair dryers.
I. **Purpose of Space.** To provide toilet facilities for each locker room.

II. **Relationship to Other Spaces.** Directly adjacent to locker room.

III. **Architectural Requirements.**
   1. Approximately 350 square feet each.
   2. Ceiling height, 9'-0" minimum.

IV. **Material Requirements**
   A. Floor: Ceramic tile.
   B. Ceiling: Paint on hard surface.
   C. Walls: Ceramic tile.
   D. Doors: Standard sizes.

V. **Mechanical and Electrical Requirements.**
   A. Plumbing: Code requirements.
   B. Heating, Ventilating and Air Conditioning: Standard requirements for locker room.
   C. Electrical: Outlets above sink for razors or hair blowers.
   D. Telephone and Communication: N/A

VI. **Equipment and Furnishings.** Shelf above sink.
SHOWER AREAS (2)

I. Purpose of Space. To provide showering facilities for both locker rooms.

II. Relationship to Other Spaces.
   1. Directly adjacent to locker rooms.
   2. Adjacent to towel dispensing room.

III. Architectural Requirements.
   1. Approximately 300 square feet each.
   2. Ceiling height, 9'-0".
   3. Gang shower for each area.
   4. 2 shower stalls for handicapped use including transfer area and shower adapted bench.
   5. Drying area for each area.

IV. Material Requirements.
   A. Floor: Ceramic tile.
   B. Ceiling: Ceramic tile.
   C. Walls: Ceramic tile.
   D. Doors: N/A.

V. Mechanical and Electrical Requirements.
   A. Plumbing: Code requirements.
B. Heating, Ventilating and Air Conditioning: Standard heating and ventilating for this type of space.

C. Electrical: Overhead, recessed lighting.

D. Telephone and Communication: N/A.
SAUNAS (2)

I. Purpose of Space. To provide for separate men's and women's sauna bathing.

II. Relationship to Other Spaces.
   1. Directly adjacent to both men's and women's locker rooms.
   2. Directly adjacent to the shower rooms.

III. Architectural Requirements.
   1. Approximately 120 square feet each.
   2. Adhere, as much as possible, to construction and design format which will duplicate a Scandinavian motif.

IV. Material Requirements.
   A. Floor: Wooden floor.
   B. Ceiling
      1. Lower ceiling 8-10 feet in height.
      2. Dim lighted - lights built into ceiling.
   C. Walls
      1. Wood paneled walls with benches built from the walls to provide sitting or reclining posture.
      2. 2 levels of benches (shelves).
D. Doors
1. 1 entry door, centered with the room.
2. No lock - easy to open.
3. No hardware on doors.

V. Mechanical and Electrical Requirements.

A. Plumbing: Floor drain.

B. Heating, Ventilating and Air Conditioning: As appropriate to the design format selected.

C. Electrical: Provide for subdued illumination, preferably from wall or ceiling mounted fixtures which complement the character of the room.

D. Telephone and Communication
1. Piped music.
2. Intercom.

VI. Equipment and Furnishings. Time indicator to control duration of heat output.
BIBLIOGRAPHY
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