

Cherokee Downs Horse Racing Facility

WAYNE JOHN JACQUES

This program is dedicated to my mother and father, Caryl and Phil Jacques,
for their never ending emotional and financial support, without which I
would not have been able to come so far.

The Professional Project is the culmination of formal education, while it is also the starting point for a professional life-long career in the field of Architecture. Therefore, the reasons I used to select my Professional Project were based on what I felt I needed to improve myself and better prepare myself for professional practice. The criteria I used to select my project were:

The great interest I have always had with sports and sporting facilities led me in the general direction for something of great interest.

The racing facility is a very real project and is a topic of much discussion in Oklahoma at this time.

Selection of a project that would allow master planning on a large scale, while also allowing intense study and design of a few key areas.

Design of an actual project being proposed by the Town of Mannford on a real site with possible influence to the success of the actual project and the sport of horse racing.

With these criteria, I have selected to design a horse racing facility in Creek County Oklahoma, Cherokee Downs. (actually Cimmaron Park). I felt that since racing facilities are similar to a small city, scale wise, I would be able to accomodate master planning while doing further study on the Grandstand and other key areas. Some of the reasons for this program are:

Establish a basis for the project

Establish design objectives

Establish functional requirements

Establish limits for the project

Establish an image for horse racing in Oklahoma

Identify and understand the problem

This program represents a partial completion of the requirements for the degree of Masters of Architecture from Oklahoma State University.

Acknowledgements

Many special thanks to the following people who were vital to the development of this program and will be instrumental in the design of the project in Spring 1984.

Demetre Dempolis
Century A-E
1900 Yorktown, Suite 300
Houston, Texas 77056
(713) 622 - 2151

Designer of Louisiana Downs which was used as a base for Cherokee Downs.

Stan Gralla
Gralla Associates
Suite 201
6400 Classen Blvd.
Oklahoma City, Oklahoma

Assistance on the programing of the Backstretch facilities.

Aurthur Hershey
Los Angeles Turf Club
Santa Anita Park
Arcadia, California 91006
(213) 574 - 7223

Director of Publicity at Santa Anita Park

Jim Knight
Professor of Architecture
Oklahoma State University

Thesis Advisor

Autotote limited of Deleware

Kinko's Copies of Stillwater

Alan Brunken

Programing Advisor

Statement of the Problem	0
Philosophy	1
Statement of the Problem	2
Summary of Facilities	3
Site Analysis	4
Area Requirements	21
Facility Breakdown	24
Backstretch	29
Horseman's Offices	33
Horse Barns	47
Horse Hospital	58
Paddock	71
Grandstand	91
Entrance Hall	95
Support Facilities	105
General Public	120
Clubhouse	130
Penthouse Suites	142
Para-Mutuels	152
Racing Officials	168
Administration	179
Goals and Concepts	199
State of the Arts	203
Saratoga Springs	204
Santa Anita Park	209
Louisiana Downs	217
History of Horse Racing	227

In describing a race meet, there are five major components associated with the race goer:

Gambling

Movement

Drinking

Eating

Spectating

The most important of these elements in the sport of horse racing is gambling. The excitement experienced at the track is a product of many people anticipating the outcome of the races and predict the results. Some of the feelings experienced from this excitement are; joy, sadness, tension, looseness, anticipation, relief, and drama. As noted by Al Rusch of the University of Illinois, the "underlying concept of a race meeting would be to describe it as a gamblers garden party or fair.

The second component, which is also very important is the concept of movement. During the course of a race meet, crowd movement is abundant and large quantities of people are always moving about. The greatest single movement would be the movement from the Parade Ring viewing area, past the wagering windows, bars, and concessions to the track viewing area. Therefore, the bulk of the betting, bars, and concessions should be located on this path to ensure easy accessability and use. Another important type of movement is that of vertical circulation. It is very important to move large numbers of people from the Entrance Hall to the various areas within the Grandstand. This circulation should be by escalators and a grand staircase to allow the public to get a sense of movement. A secondary means of movement would be by elevators and enclosed stairs for fire exits. It will be very important to move people vertically while maintaining a sense of movement and orientation. Finally, but also very important is the movement of large crowds from the parking areas to the Grandstand. Areas should be provided in the form of greenbelts to allow the people to move freely from their automobiles to the Entry Plaza. This is a critical part in the entry sequence and must set the race goer in the proper frame of mind for a race meet.

As mentioned before, the bulk of the bars and concessions should be located in the area of greatest crowd movement and nearest the finish line where the bulk of the seating will be. Food concessions are very important at race meets due to the long periods of time inbetween the action. Eventhough food concessions are great, the single most important concession is the bar. The sale of mixed drinks, beer, and wine is crucial to the sucess of a race meet and also for public enjoyment. An exception to the concepts of movement and concessions are the Lounges, Table Seating, and Penthouse Suites where the spectator is waited on. Finally, the spectating component is very important, but is much different than other sporting events. Die to the 1 lap nature of the sport, the spectator cannot exerieence the entire race from 1 point so the primary location is at the winning post. Some people actually never view a race.

■ Function

Since one of the primary public functions of the facility is the viewing of race meets, the Grandstand should provide comfort and allow for the best views of the track.

Since a second of the primary functions of the facility is the placing of bets, the wagering areas should be centrally located and easy to access.

Due to the large numbers of spectators viewing a race meet, the circulation halls should be large and easy to move through.

Due to the large sums of money wagered, and the value of the horses, security is a top priority in the design of the complex.

Since the care, training, and racing of the horses is just as important as the spectators, the physical layout should provide for ease of movement and the centralization of activities for the horses.

■ Form

Since the site is heavily wooded and surrounded by water on three sides, the Grandstand should act as a jewel on the knoll.

Since the Backstretch structures are of small scale and shade is desirable, the Backstretch should preserve the natural site and blend in with the natural vegetation.

■ Economy

Since the nature of the project will not allow for phasing, with the exception of the Horse Hospital, the entire complex should be built as a whole.

Since money is such a major item in the horses and the wagering, the facility should portray an image of security, strength, growth, and wealth.

■ Time

Since major horse racing is new to the State of Oklahoma, certain facilities must be allowed to expand over time and the crowds grow.

Cherokee Downs will be the first major horse racing facility in Oklahoma and the nearest existing facility is Oak Lawn in Hot Springs, Arkansas. The facilities are to be located on a 480 acre plot on Keystone Resivoir near Mannford, Oklahoma and include the following:

Parking for 7030 automobiles and 50 buses

Seating facilities for approximately 12000 people, with a total capacity of near 30000 people.

Complete horse boarding and training facilites to be open year-round.

Complete Horse Hospital

Complete Paddock House and Parade Ring

Racing surfaces to accomadate all types of races ranging in length from 2 - 12 furlongs for all types of horses, including harness racing and steeplechase.

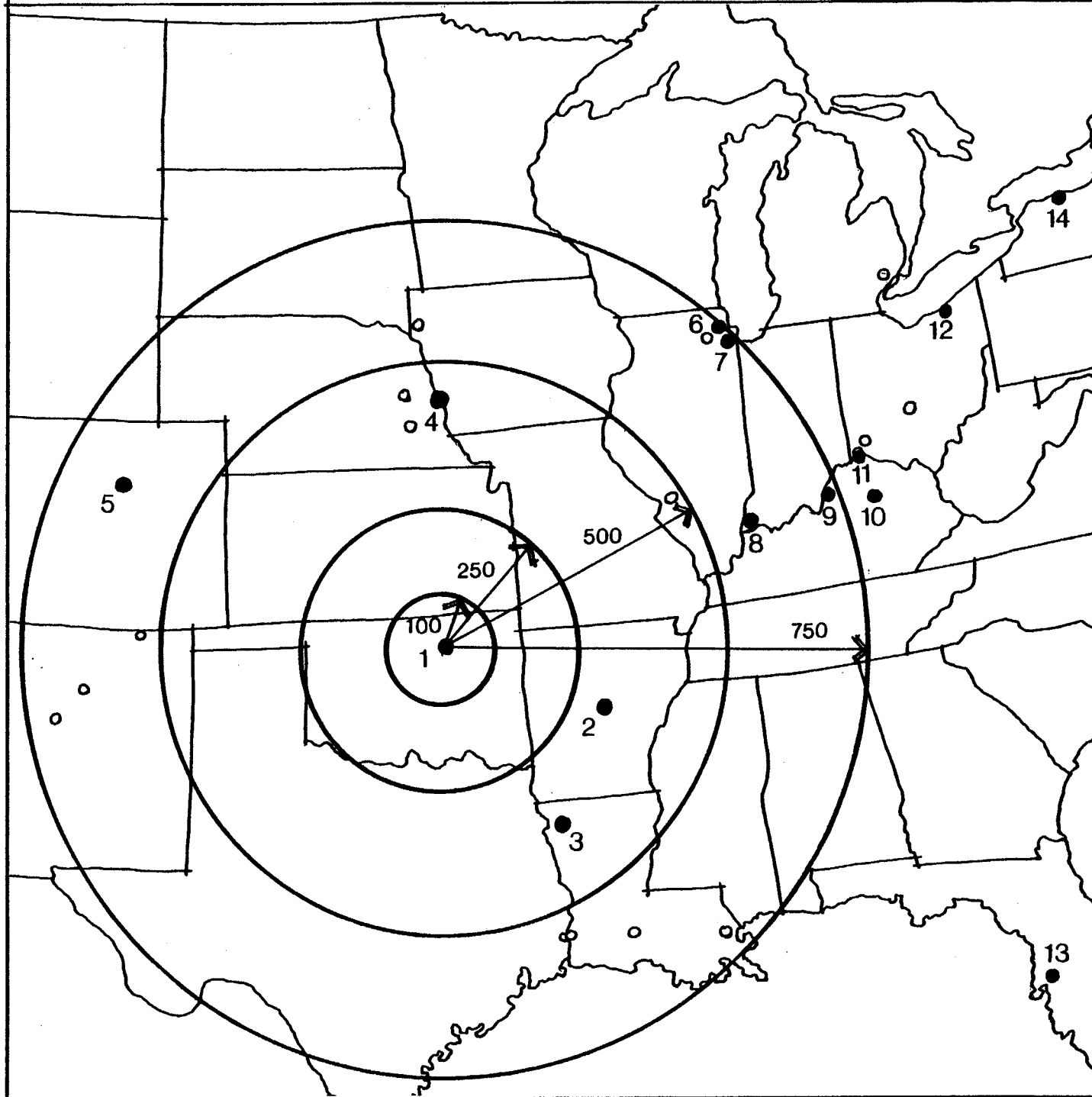
Master planning of a 150 room luxury resort hotel and support facilities.

Adjoining marina for use by the hotel, recreationalists, and race goers.

This diagram will show the proximity of other racing facilities in this region.

- Major Facility
- Minor Facility

- 1- Cherokee Downs Creek County, Ok.
- 2- Oaklawn Hot Springs, Ark.
- 3- Louisiana Downs Bossier City, La.
- 4- Ak-Sar-Ben Omaha, Neb.
- 5- Centennial Denver, Col.
- 6- Arlington Park Arlington, Ill.
- 7- Sportsmen Park Cicero, Ill.
- 8- Ellis Park Evensville, Ind.
- 9- Latoona Cincinnati, Ohio
- 10- Churchill Downs Louisville, Ky.
- 11- Keenland Lexington, Ky.
- 12- Thistledown Cleveland, Ohio
- 13- Tampa Bay Downs Oldsmar, Fl.
- 14- Finger Lakes Farmington, N.Y.



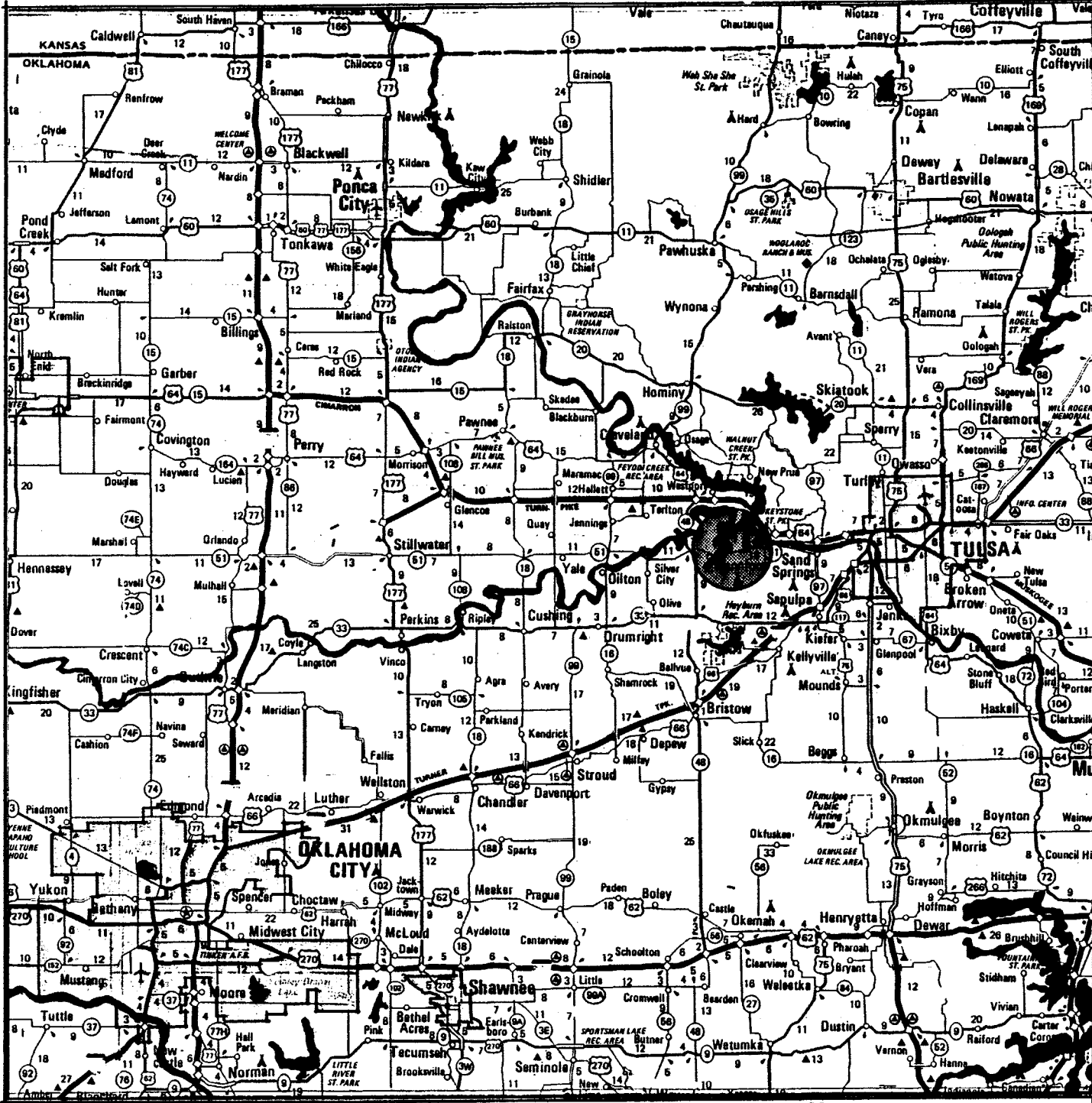
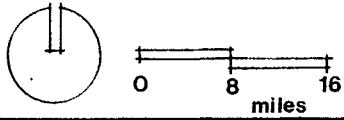
Cherokee Downs Horse Racing Facility

The site is located on Keystone Reservoir, approximately 20 miles West of Tulsa. Keystone Reservoir is manmade by Keystone Dam at the East end. The lake is fed from the North by the Arkansas River and from the West by the Cimarron River.

Distances to other cities in miles.

Stillwater	45
Oklahoma City	80
Enid	90
Ponca City	90
Dallas	280
Kansas City	280
Little Rock	240

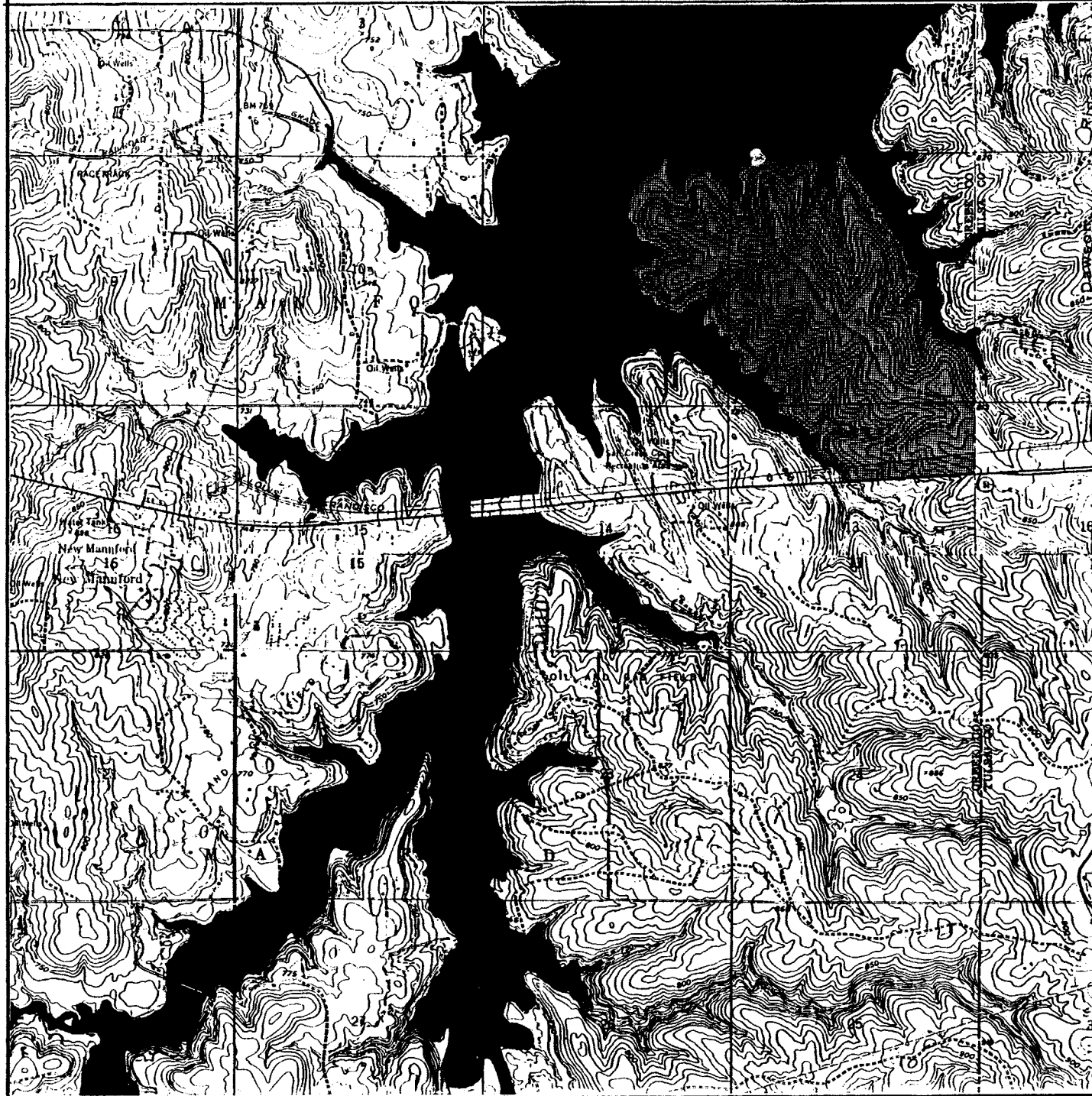
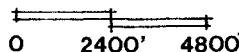
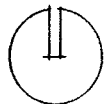
The site is accessed only from the East and the West by Highway 51.



Cherokee Downs Horse Racing Facility

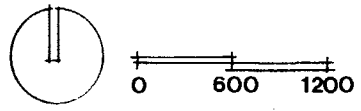
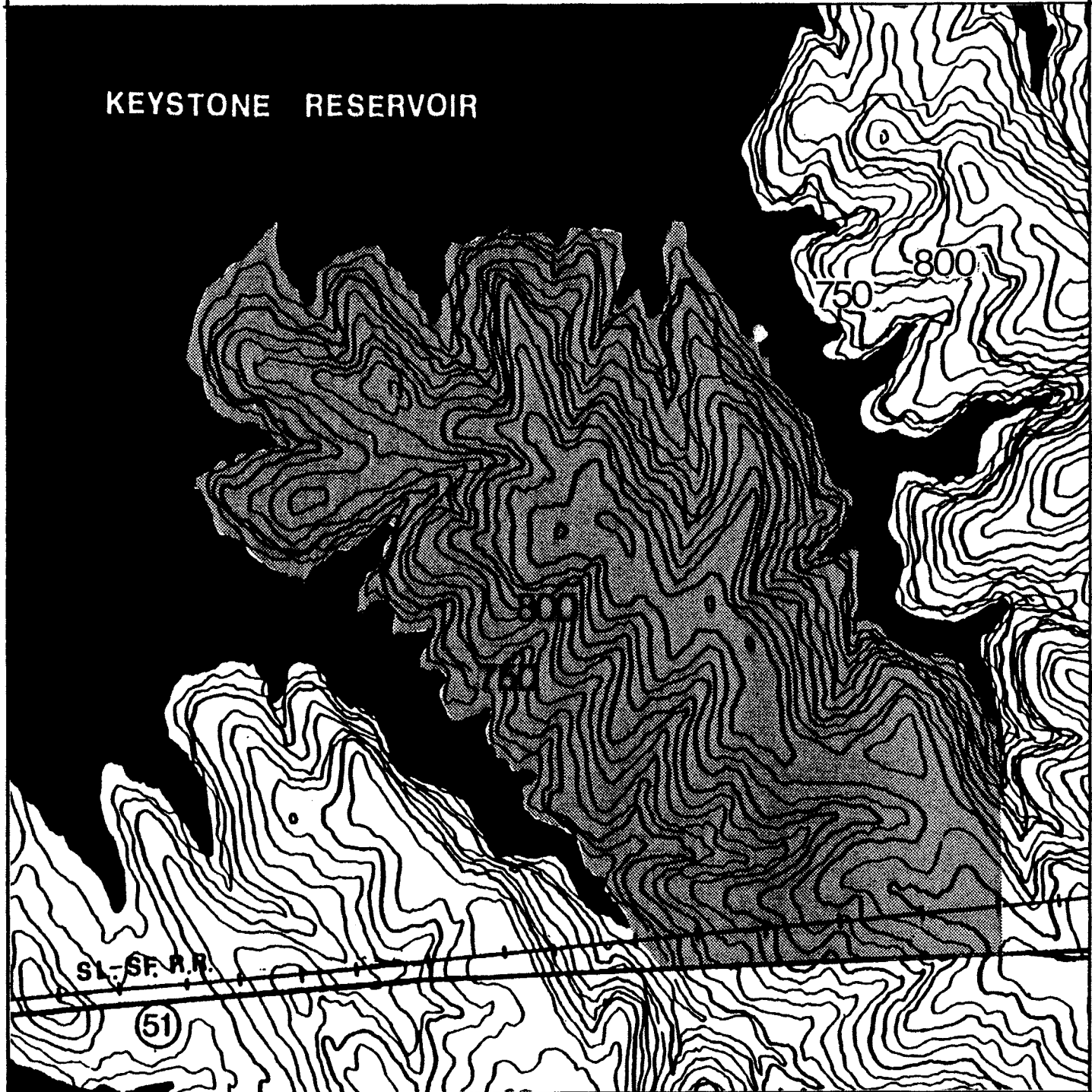
The site is located 2.5 miles East of the city of Mannford in Creek County and with the proposal of the racing complex the site would be incorporated into the Mannford city limits. The site is located on a finger of land projecting into Keystone Resivoir and is approximately 480 acres. The site is bordered on three sides by water and the remaining boundry is made up of Highway 51 and the Creek County/Tulsa County line. Mannford is considered the Bass fishing capitol on Keystone Resivoir, therefore the lake is highly used for both fishing and recreation for a good percentage of the year. Boat access to the site is a definate possibility.

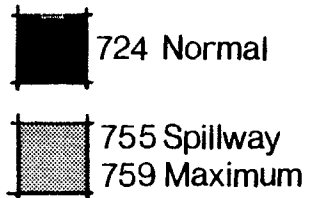
The black circles denote the existing public boat ramps in the area and Keystone State Park is located 1 mile East in the very upper left corner of the map.



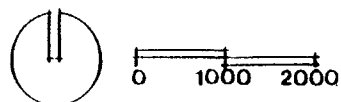
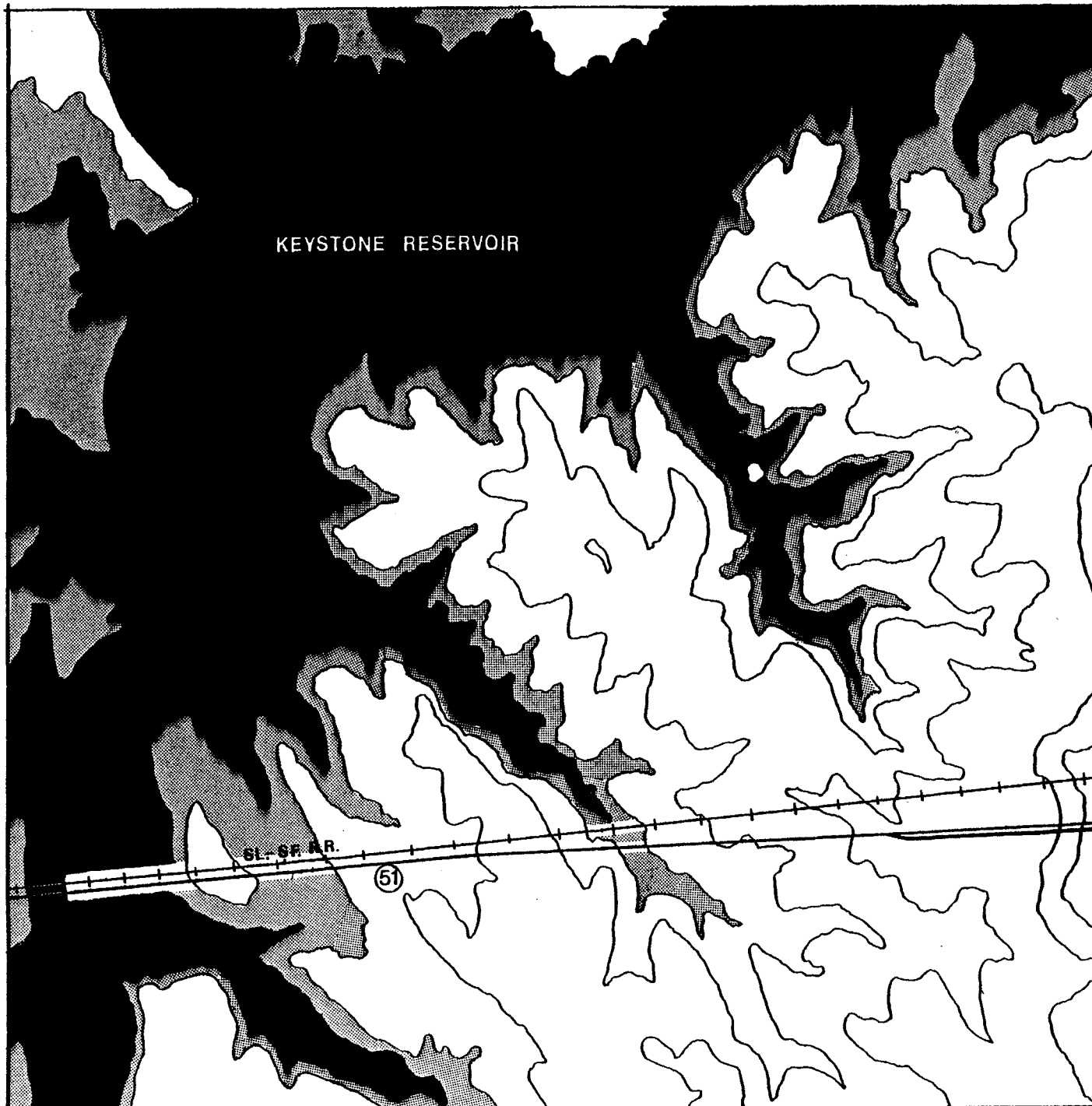
KEYSTONE RESERVOIR

The site is located in an area of low rolling hills and is situated on a peninsula North of Highway 51. The site slopes very gradually at the shore line up to the flood level of 755. The slope becomes slightly steeper up to the ridge which becomes almost flat. There is only one gully of significance and it is located on the South part of the West end. The contour interval is 10 feet with the major contours at 50 feet intervals. The normal lake level is at 724 as shown on this map.

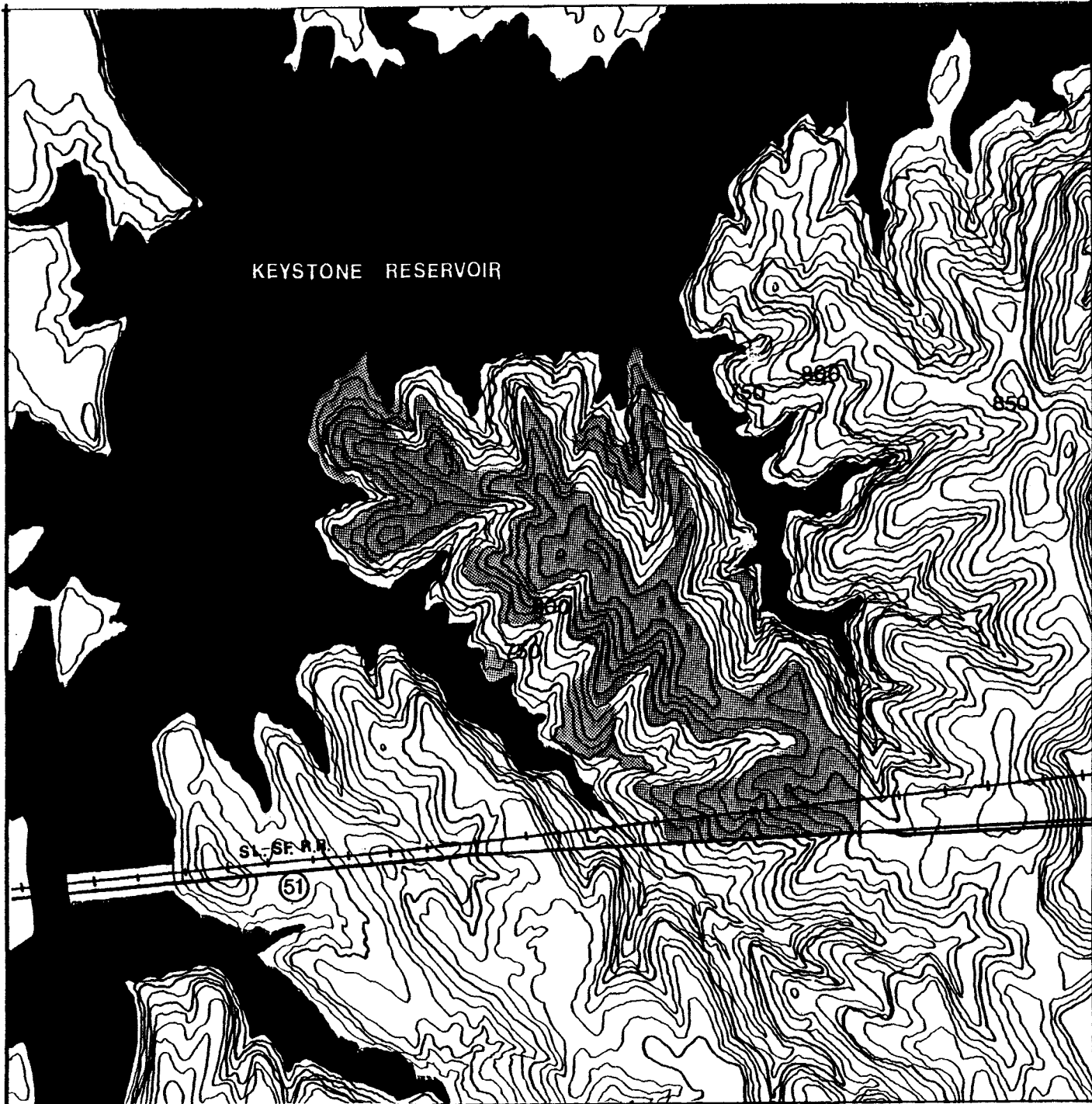






Normal lake level is usually near the 724 level. The Maximum flood level is at 759 with the spillway at 755. The highest recorded lake level is 749. Therefore, as a design criteria, all structures and site development should be above the 760 lake level.



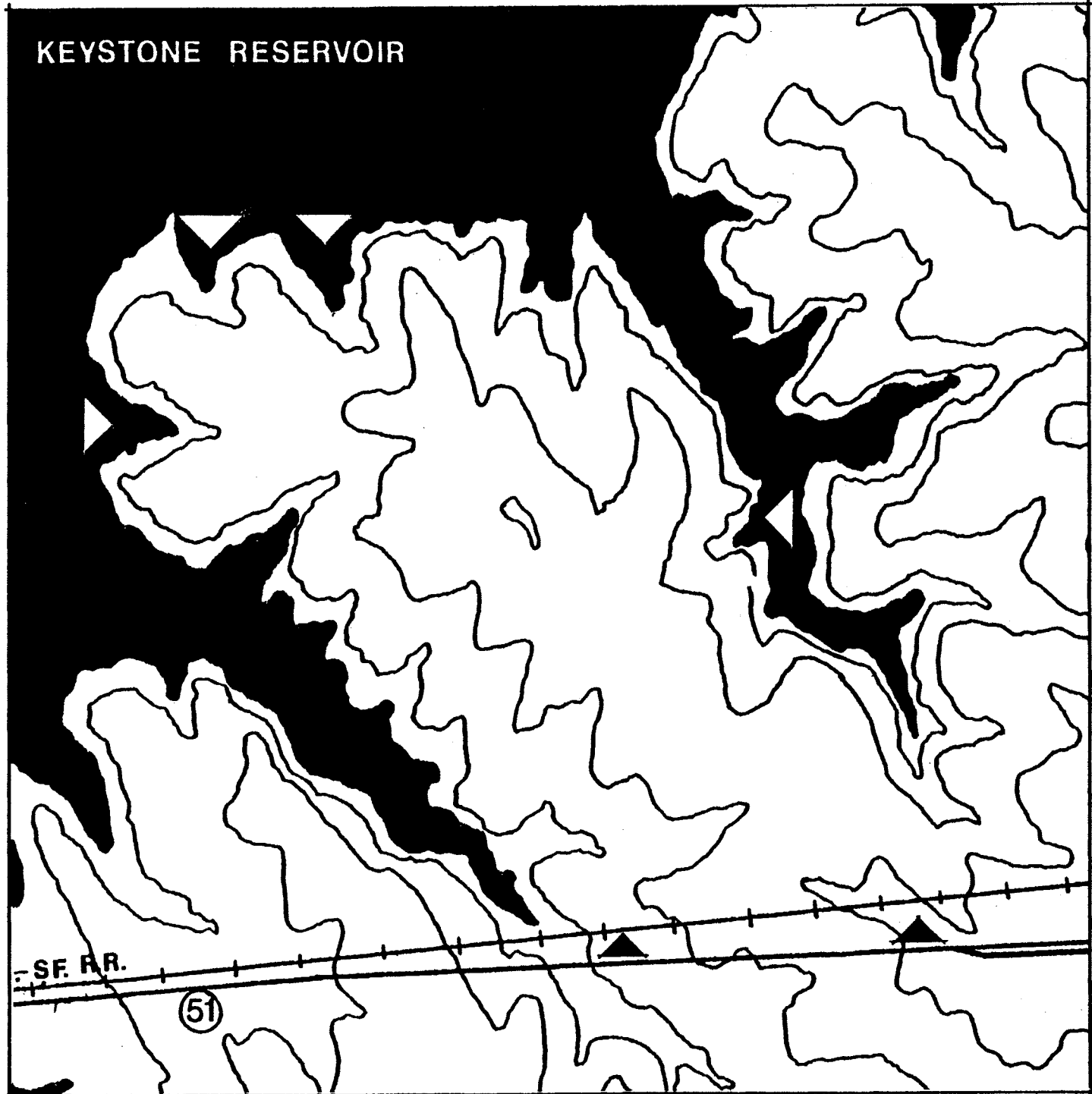
As noted earlier, the site slopes very gently and a good portion of the site would be suitable for parking as is. The shaded areas on this map denote the areas of slope which are 1:10 or less.



KEYSTONE RESERVOIR

-  LAND ACCESS
-  WATER ACCESS

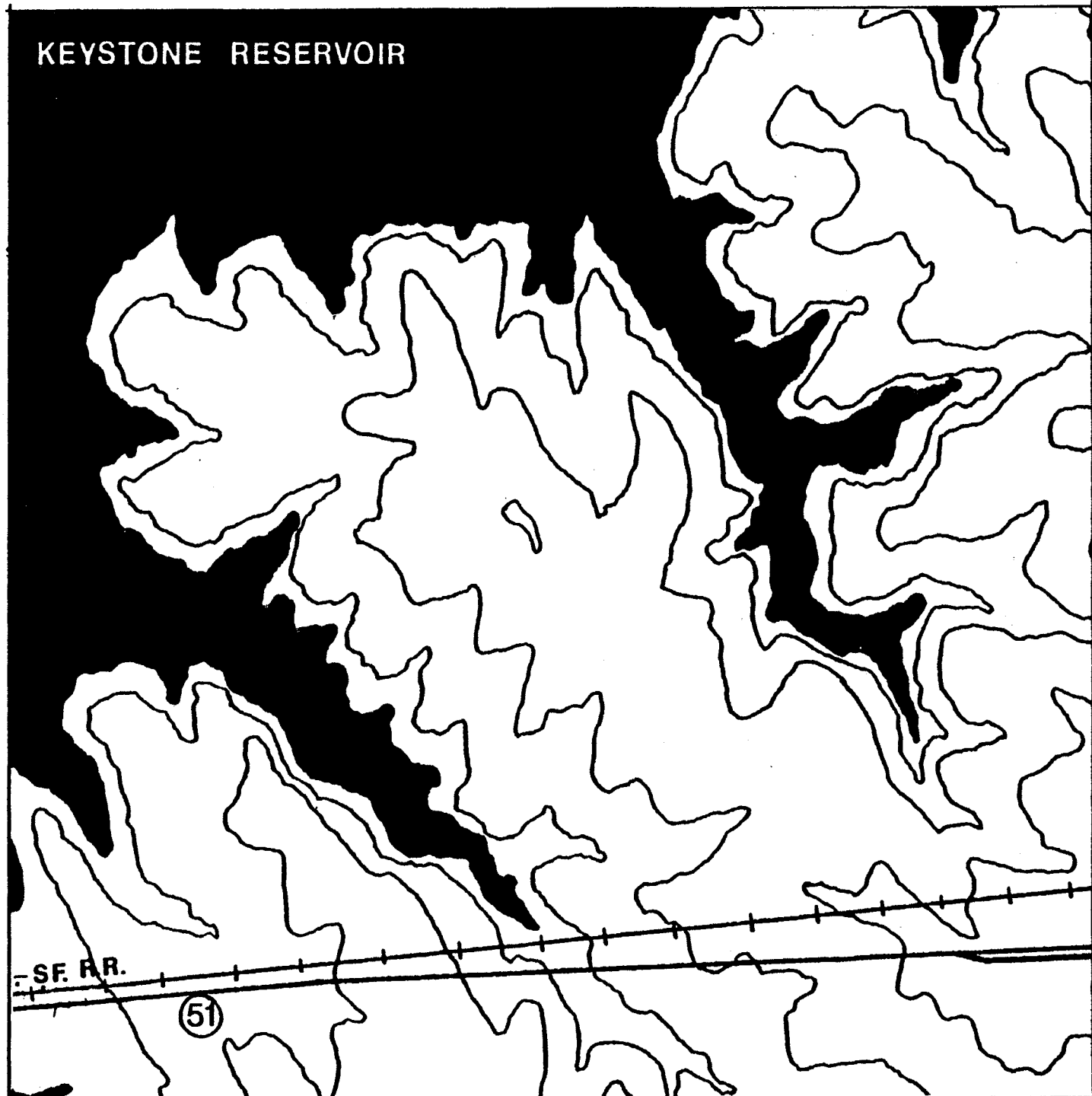
The land access points are based on the current conditions and the location of the existing access points for the oil field. Other access points could be established with major grading or by the construction of a bridge over the railroad tracks. The water access points are also based on existing conditions, where the site slope is easy enough for easy access without extra site work being needed. The development of a marina and docking facilities on the lakefront is a feasible possibility. The racing facility could become another recreational area on the lake.



Cherokee Downs Horse Racing Facility

KEYSTONE RESERVOIR

The typical trees located on the site are Pin Oak and Black Oaks ranging in size from 20' - 40'. There are also some Cyprus trees intermixed among the Oaks. The undergrowth consists of long meadow like grass and small scrub brush intensifying in the small gullies. The tree line begins above flood line and forms an almost continuous cover over the site with the exceptions of a few open areas near the crest. There are also no trees located in the area between the railroad tracks and Highway 51.



Cherokee Downs Horse Racing Facility

Building Codes

The building codes applicable to the town of Mannford are:

Southern Building Code

Mannford Town Code

N.F.P.A. 150 (stables)

Zoning

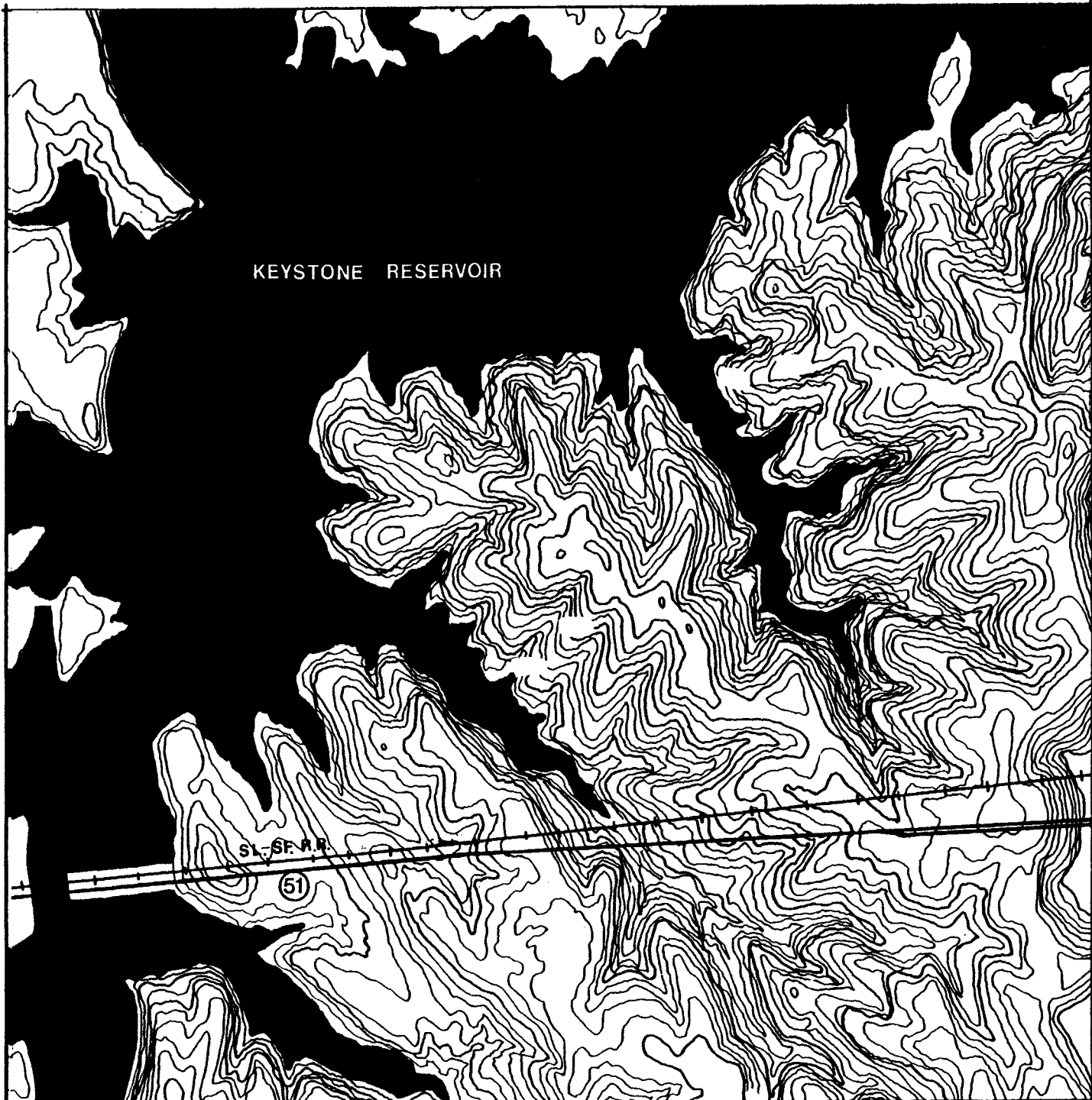
Currently the site is zoned agricultural, but with the development of Cherokee Downs, the zoning will be changed to a Planned Unit Development. Furthermore, with this development, the site would be incorporated into the city limits of Mannford.

Restrictions

The only restrictions currently on the site are the flood level elevation and the railway right-of-way. Other than these, the site is totally free from any building restrictions.

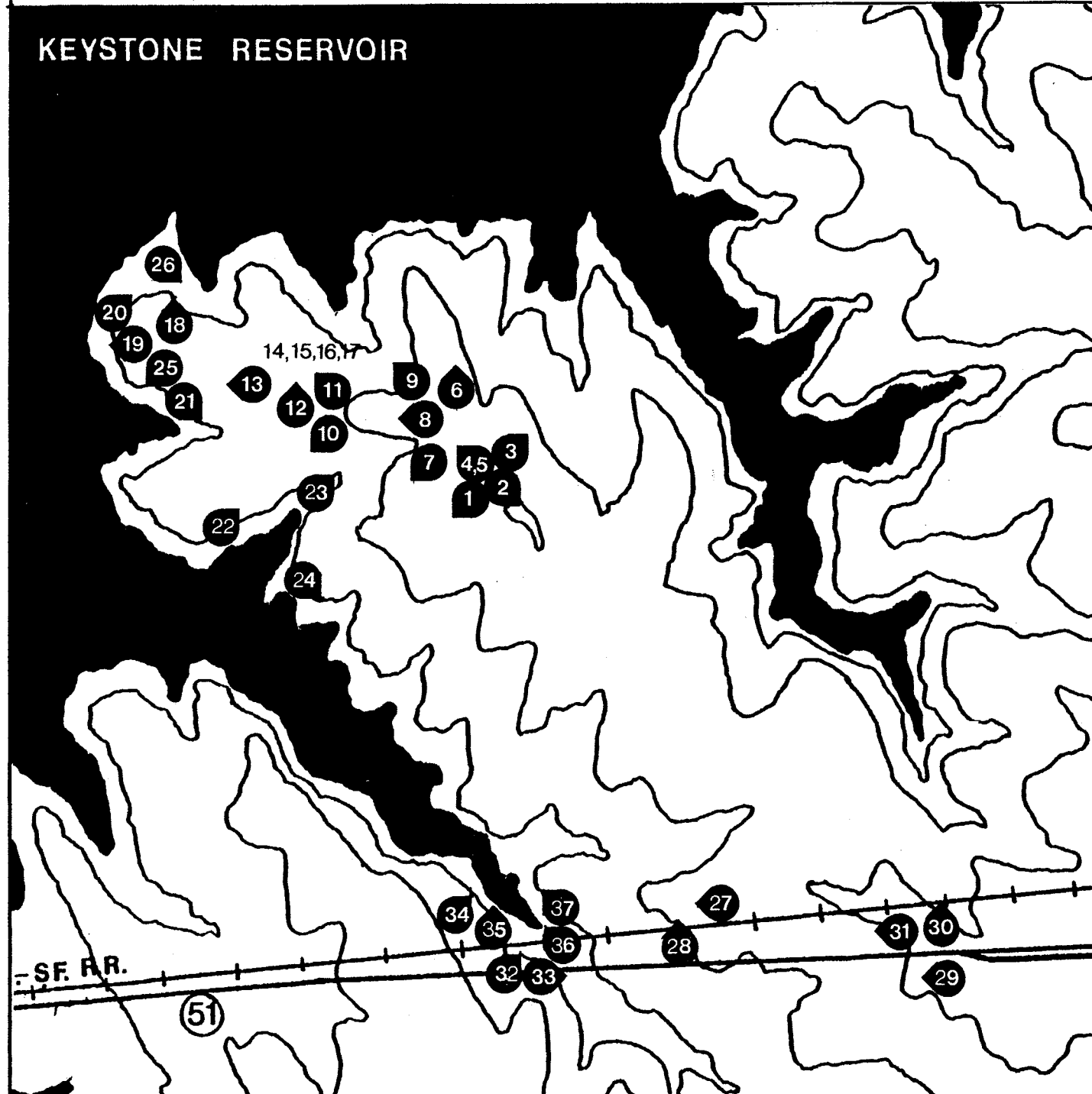
Utilities

There are currently no utilities on, over, or under the site with the exception of an unused oil line and unused power lines along the railroad tracks. All



Photographic Survey

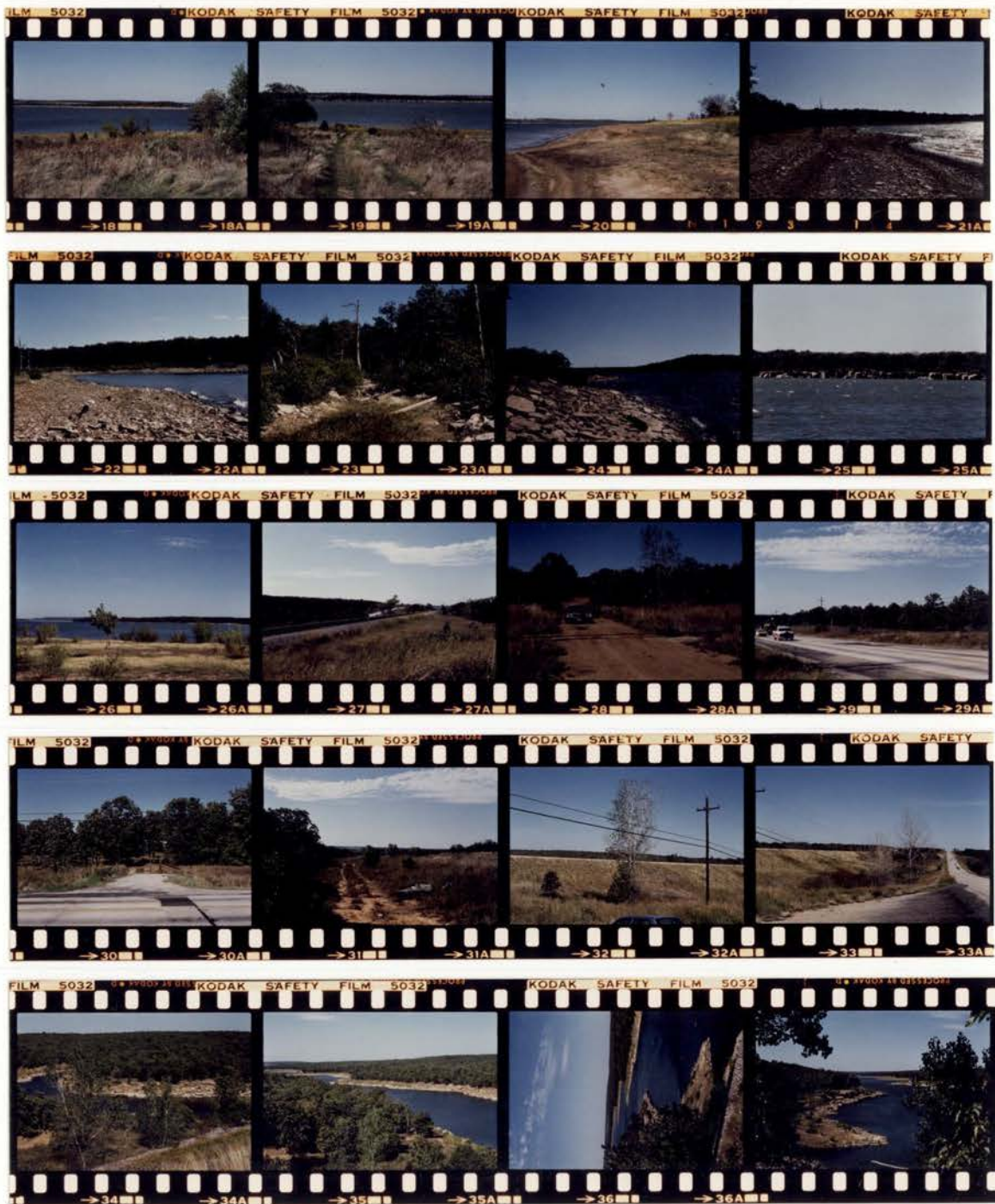
KEYSTONE RESERVOIR



Cherokee Downs Horse Racing Facility



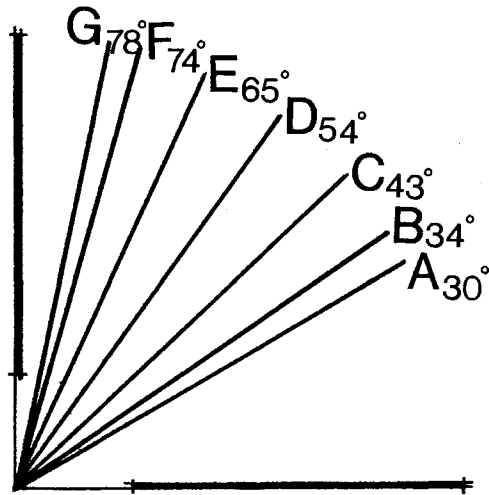
Cherokee Downs Horse Racing Facility



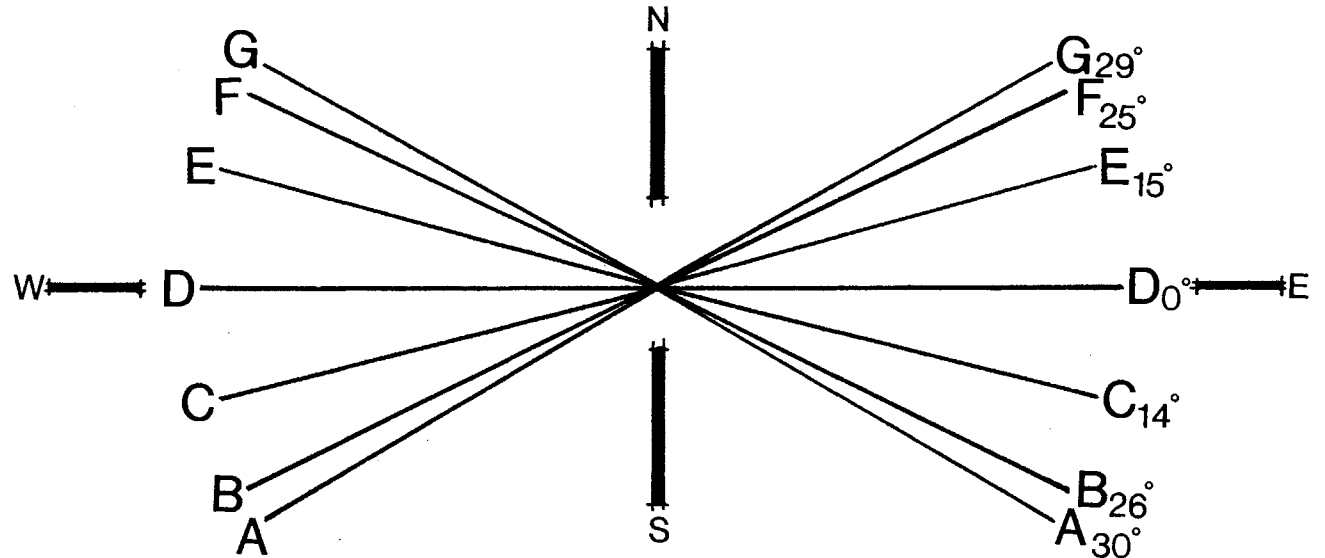
Cherokee Downs Horse Racing Facility

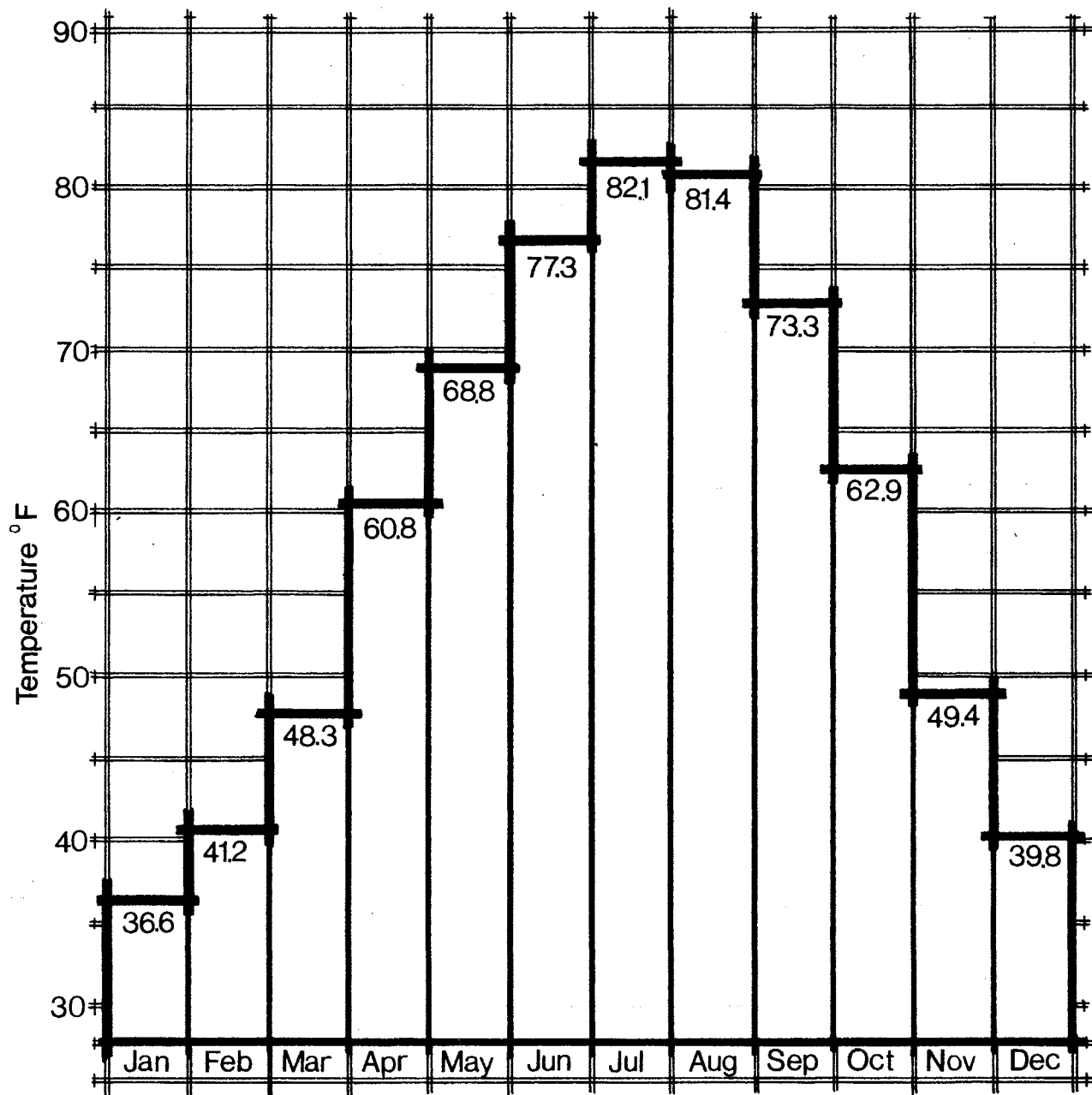
SOLAR ALTITUDE

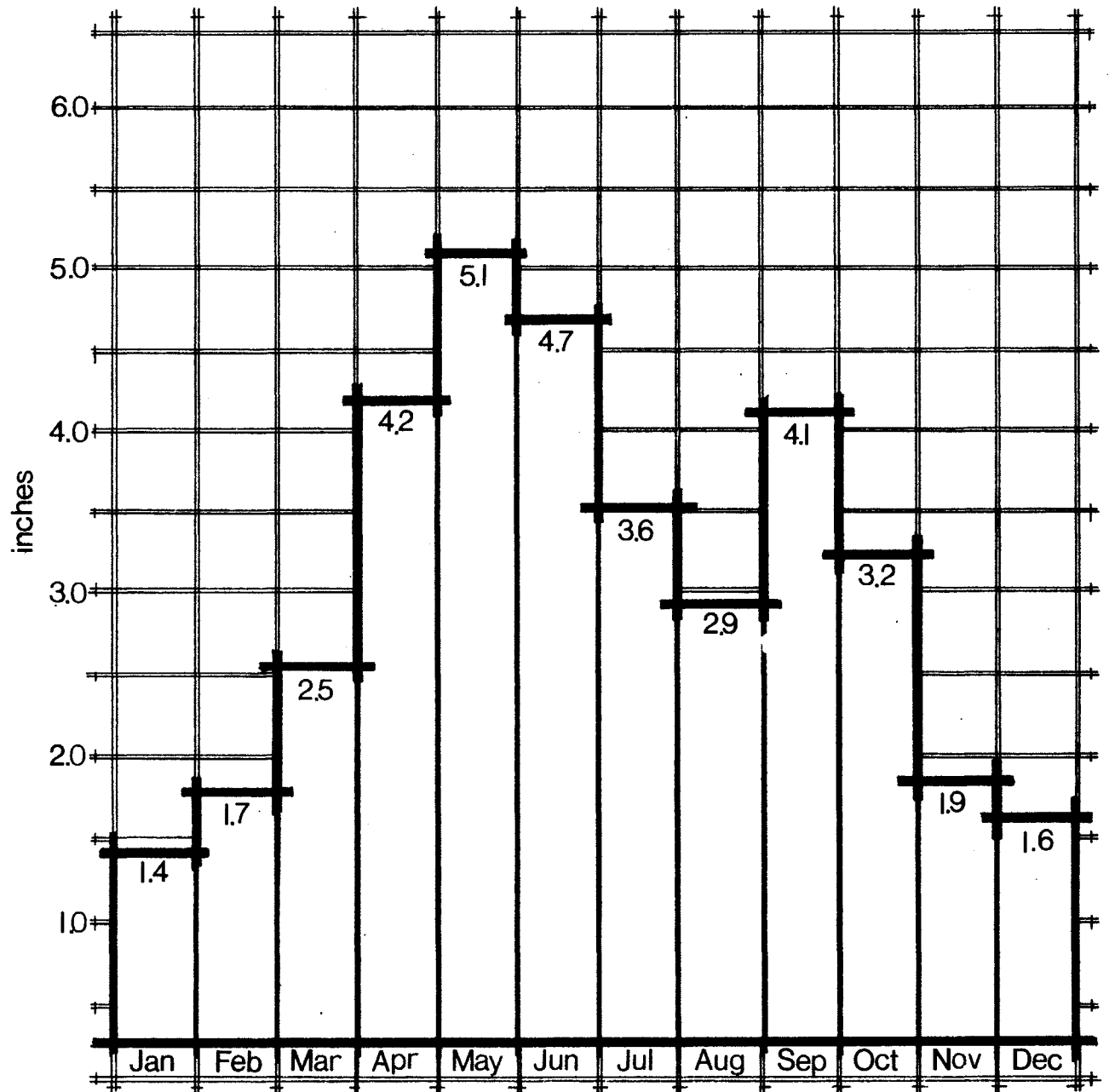
- A December 22
- B January 22
November 22
- C February 22
October 22
- D March 22
September 22
- E April 22
August 22
- F May 22
July 22
- G June 22



SOLAR AZIMUTH



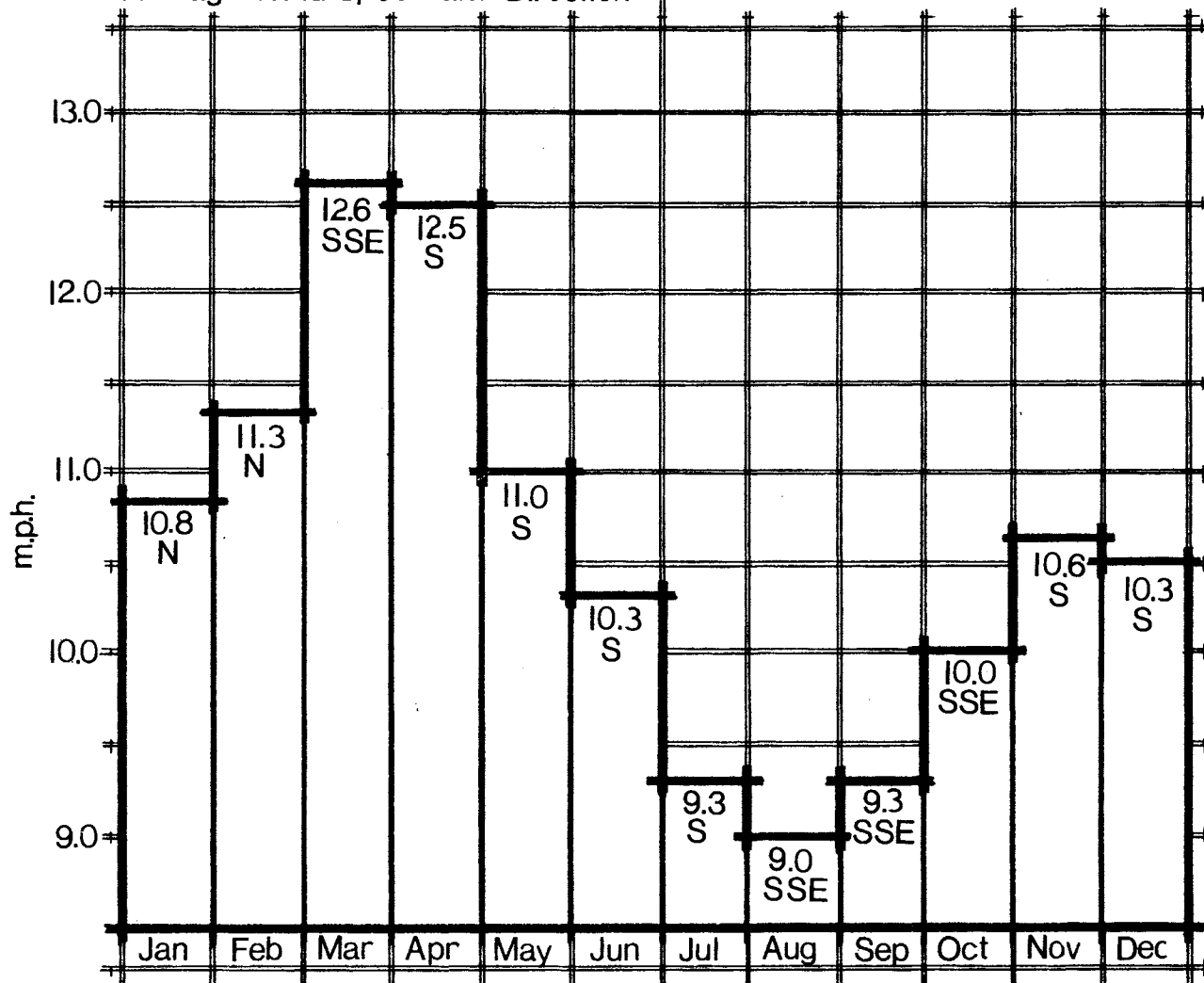




Records

55	50	51	70	75	65	56	56	48	45	56	56
SW	N	SW	NW	SW	NW	N	N	E	NW	SW	SW

Average Wind Speed and Direction



■ PARKING

Valet	480 spaces	168000 S.F.
Preferred	800 spaces	280000 S.F.
General Public	4800 spaces	1680000 S.F.
Charter Bus	50 spaces	40000 S.F.
Horsemen w/ trailers	950 spaces	600000 S.F.

■ BACKSTRETCH

Horses Stables		279350 S.F.
Horsemen's Dormitories and related facilities		29690 S.F.

■ HOSPITAL

Horse Hospital and facilities		14000 S.F.
-------------------------------	--	------------

■ PADDOCK

Paddock House		9216 S.F.
Parade Ring		24000 S.F.

■ RACING SURFACES

Main Dirt racing surface	1 Mile Oval
Main Turf racing surface	7/8 Mile Oval
Steeple Chase racing surface	3/4 Mile Oval
Quarterhorse racing surface	1/4 Mile Straight
Training Track	3/4 Mile Oval

■ GRANDSTAND

Public Grandstand facility		414905 S.F.
----------------------------	--	-------------

■ TOTAL BUILDING AREA

717471 S.F.

Cherokee Downs Horse Racing Facility, like all major tracks breaks down into four basic areas.

- 1 - Backstretch
- 2 - Parking
- 3 - Grandstand
- 4 - Racing Surfaces

The Paddock acts as a transitional area from the Backstretch to the Racing Surfaces by way of the Grandstand, and the Apron acts as a transitional area between the Grandstand and the Racing Surfaces

Types of relationships, typical on all diagrams

PUBLIC

- Primary
- Secondary

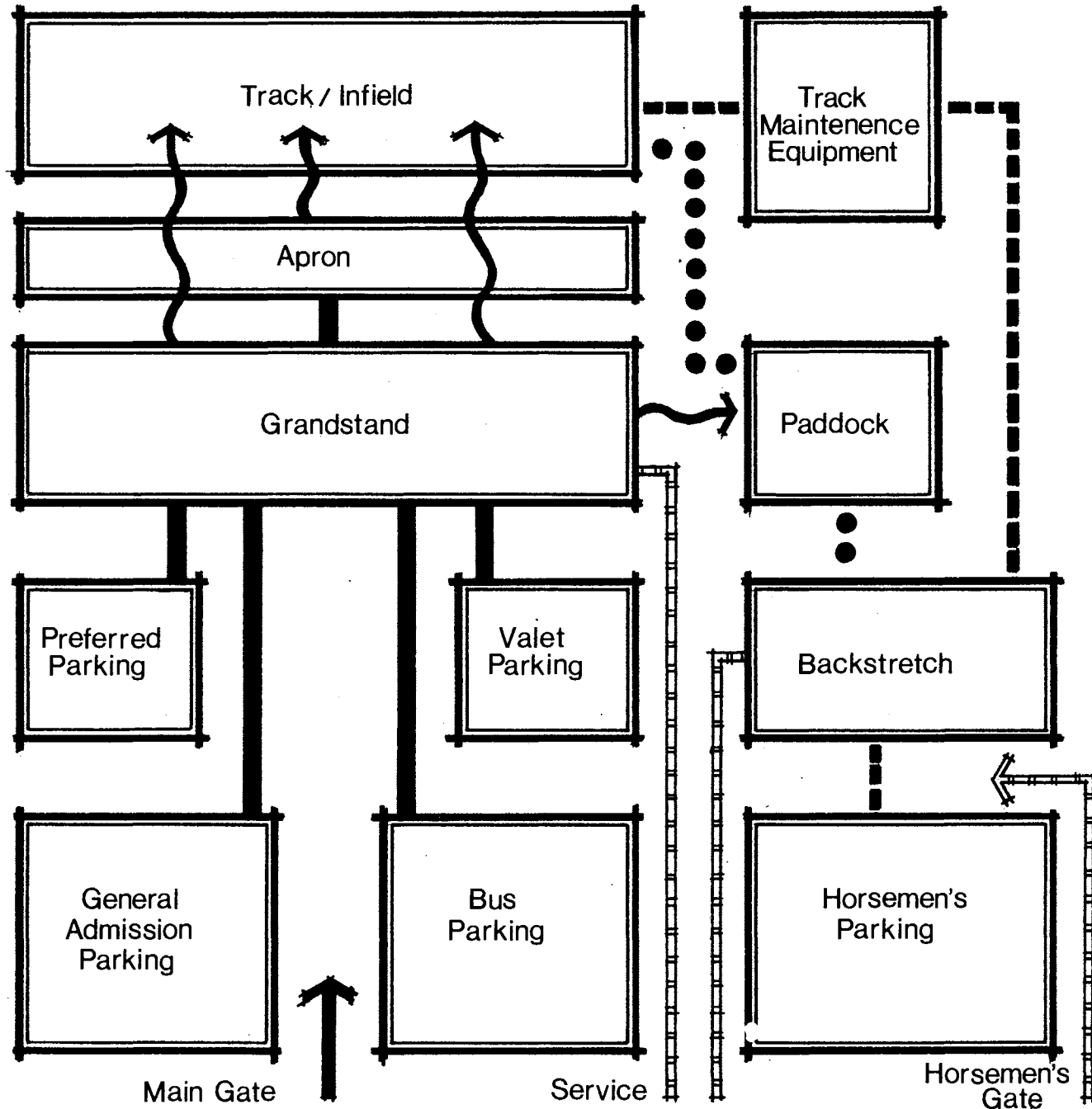
HORSES

- Primary
- Secondary

STAFF and HORSEMEN

- Primary
- Secondary

VIEWS



BACKSTRETCH

B1	Security Office and Horsemen's Gate	150
B2	Horsemen's Offices	1670
B3	Tack/Tack Repair/Blacksmiths Shop	2600
B4	Feed Storage	18000
B5	Stables and Dormitories	30,040
B6	3/4 Mile Training Track	-
B7	Dining and Recreation Building	5000
B8	Horse Hospital	14000
		<hr/>
	BACKSTRETCH TOTAL	350460 S.F.

PADDOCK

P1	Parade Ring and Saddling Stalls	25728
P2	Identification Area	240
P3	Lobby	1500
P4	Registration	700
P5	Racing Stewards	240
P6	Racing Secretary	240
P7	Files	120
P8	Passes	170
P9	Public Toilets	200
P10	Jockey Locker Room	1600
P11	Jockette Locker Room	300
P12	Common Areas - Laundry/Massage/Sauna	645
P13	Dormitory	225
P14	Jockey Lounge	1100
P15	Film Room	225
P16	Weight Room	200
		<hr/>
	PADDOCK TOTAL excluding parade ring	9370 S.F.

ENTRANCE HALL

E1	Entrance Hall	8750
E2	Circulation Core	4500 per floor
E3	Public Grand Hall	49500
E4	Public Hall Cashiers and Sellers	4500
E5	Concessions	4000
E6	Public Hall Bars	2000
E7	Public Toilets	4500
E8	Support Facilities	15350

ENTRANCE HALL TOTAL

93000 S.F.

SUPPORT

T1	Security Office	300
T2	Security and Para-Mutuel Staff Locker Room	400
T3	First Aid Office	250
T4	Printing Department	600
T5	Supply Office	200
T6	Central Maintenance Office	150
T7	Office Supply Storage	200
T8	Food Supply Storage	400
T9	Janitorial Supplies	200
T10	Receiving Area and Dock	400
T11	Trash Pick-up Area	200
T12	Staff Locker Rooms	1320

ENTRANCE HALL TOTAL

4620 S.F.

GENERAL PUBLIC

G1	General Public Hall	40000
G2	General Public Seating	40000
G3	Public Lounge	2250
G4	General Public Sellers and Cashiers	4500
G5	Concessions	4000
G6	General Public Bars	1200
G7	Public Toilets	3000
GENERAL PUBLIC TOTAL		94950 S.F.

CLUBHOUSE

C1	Clubhouse Hall	42900
C2	Box Seats	45000
C3	Table Seating	20000
C4	Clubhouse Hall Sellers and Cashiers	3500
C5	Concessions	3750
C6	Clubhouse Bars	1125
C7	Jockey Club Lounge	2000
C8	Kitchen	7500
C9	Public Toilets	3000
C10	General Storage	2000
CLUBHOUSE TOTAL		130775 S.F.

PENTHOUSE SUITES

S1	Foyer	1800
S2	Private Suites	33600
S3	Toilets and Lounge	4000
S4	Penthouse Sellers and Cashiers	1200
S5	Kitchen	1200
S6	Directors Office	1000
S7	General Storage	1000
PENTHOUSE SUITES TOTAL		47300 S.F.

PARA-MUTUELS

M1	Money Room	1875
M2	Vault	120
M3	Ticket Check	700
M4	Mutuels Room	360
M5	Computer Room	625
M6	Maintenance Room	220
M7	Manager's Office	250
M8	Tax Collectors Office	250
M9	Paper Storage	700
M10	Staff Toilets	220
M11	Circulation Areas	1400

PARA-MUTUELS TOTAL 6720

RACING OFFICIALS

R1	Judges Booth	300
R2	Announcers Booth(Track, Radio, and T.V.)	200
R3	Press Room	500
R4	Staff Toilets	200
R5	Photo Finish Equipment	400
R6	T.V. Room	400
R7	General Storage	200
R8	Circulation	700

RACING OFFICIALS TOTAL 3000 S.F.

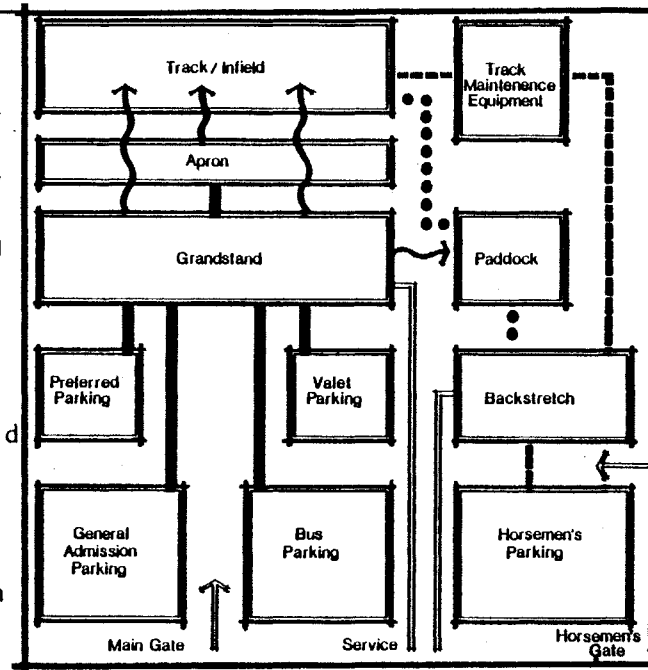
ADMINISTRATION

A1	Lobby and Reception Area	780
A2	President's Office	660
A3	Conference Room	950
A4	Press Room	200
A5	Secretarial Area	270
A6	Mail Room	135
A7	General Manager's Office	200
A8	Assistant General Manager	150
A9	Accounting Department	1400
A10	General Offices	550
A11	Computer Room	150
A12	Coffee Bar	70
A13	Staff Toilets	300
A14	General Storage	200

ADMINISTRATION TOTAL 6215 S.F.

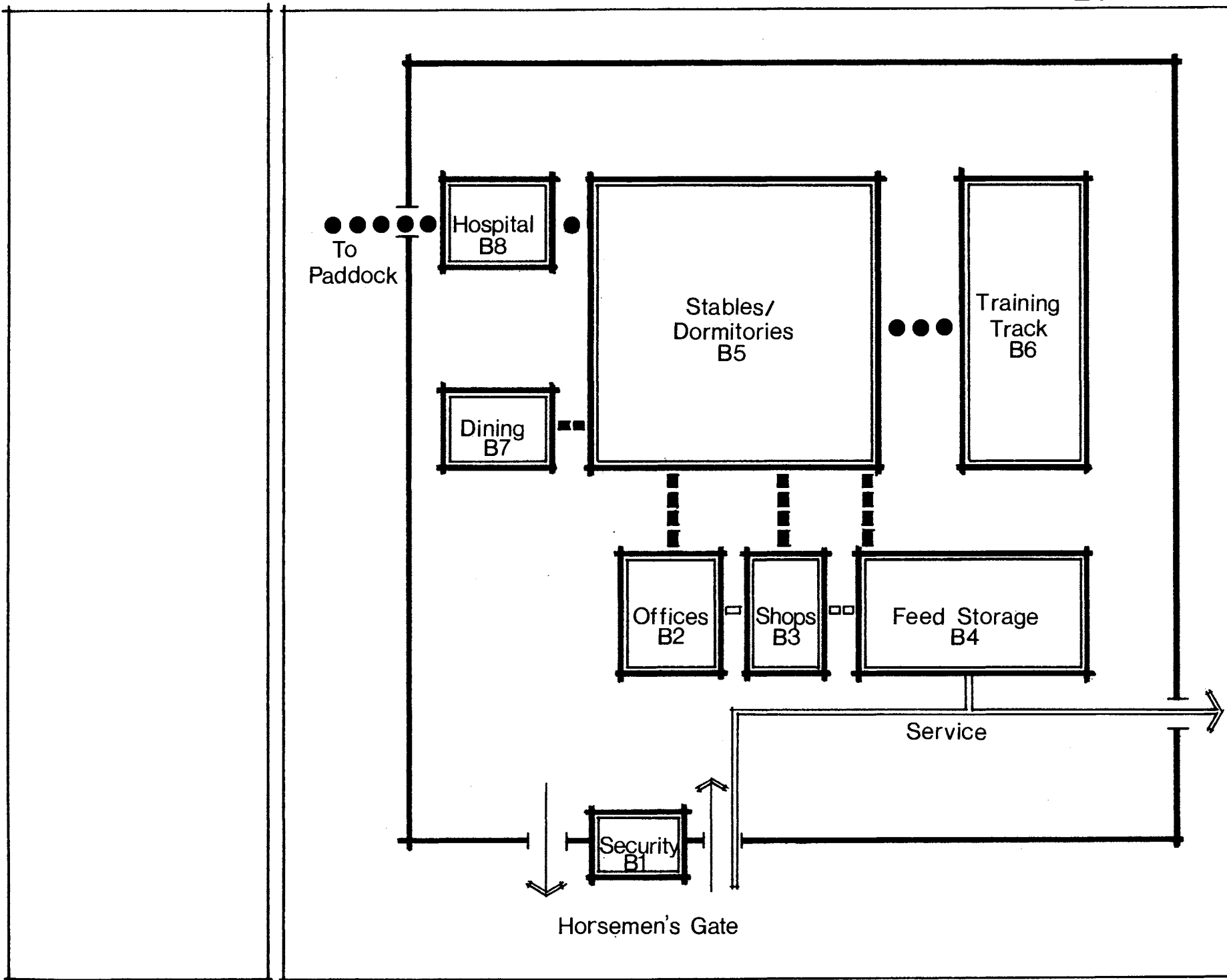
FACILITY TOTAL 735575 S.F.

"Backstretch" is a term commonly used to refer to the horsemen's area. This area contains all facilities associated with the horses and their care. The Backstretch would be a facility operated year-round, serving as a training facility during the off-season. A Horse Hospital would also be located in the Backstretch area serving the horses boarded at the facility, the general population, and performing post-race examinations. The image of the Backstretch area might be low key and natural, blending in with the natural setting, and preserving as many trees as possible. Furthermore, the Backstretch should be designed to enhance the complex visually, and function with the shortest and most direct access to the Paddock and Track. Finally, the Backstretch is a high security area, limiting access to only those persons with a Backstretch pass.



Space Requirements

B1	Security office and Horsemens gate	150 S.F.
B2	Horsemens offices	1670 S.F.
B3	Tack/Tack Repair/Blacksmiths Shop	2600 S.F.
B4	Feed Storage	18000 S.F.
B5	Stables and Dormitories	309040 S.F.
B6	3/4 Mile Traing Track	- -
B7	Dining and Recreation Building	5000 S.F.
B8	Horse Hospital	14000 S.F.
Total		350460 S.F.



CODE	B1	AREA	
FUNCTION			
HT.	8'-0"	OCC.	
SPATIAL RELATIONSHIPS			
ARCHITECTURAL			
MECHANICAL			
FURNITURE-EQUIPMENT			
CONCEPT			

150 S.F.

To control all access to the Horsemen's area. Keeping records of all the trainers, jockeys, stable persons, guests, and horses entering or leaving the Backstretch area.

1, possibly 2 security guards

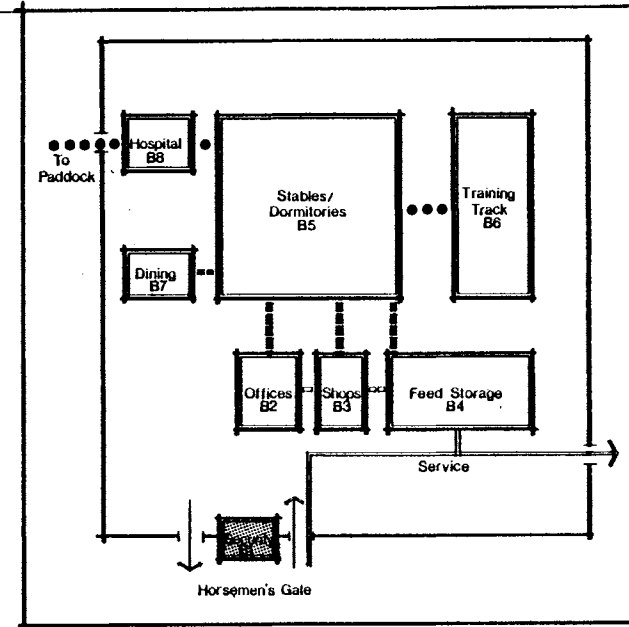
Main stable gate
Horsemen's offices
Main road
Delivery entrance

CEILING: Hard
FLOOR: Tile
WALLS: Glass

SECURITY: Security control point
H.V.A.C.: Small unit for office use only
LIGHTING: Daylighting and florescent
ELECTRICAL: Paging system, telephone outlet, and duplex as required
PLUMBING: None required

Files to store all the records of incoming and outgoing traffic
2 chairs
Counter top along walls
Small refrigerator

Visual control of Horsemen's Gate
360 degree glass if possible for visual control of both incoming and outgoing traffic
Large overhangs to reduce heat gain



CODE	01	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

300 S.F.

Receptionist for visitors to offices
 General secretarial work
 Small lobby or waiting area

2

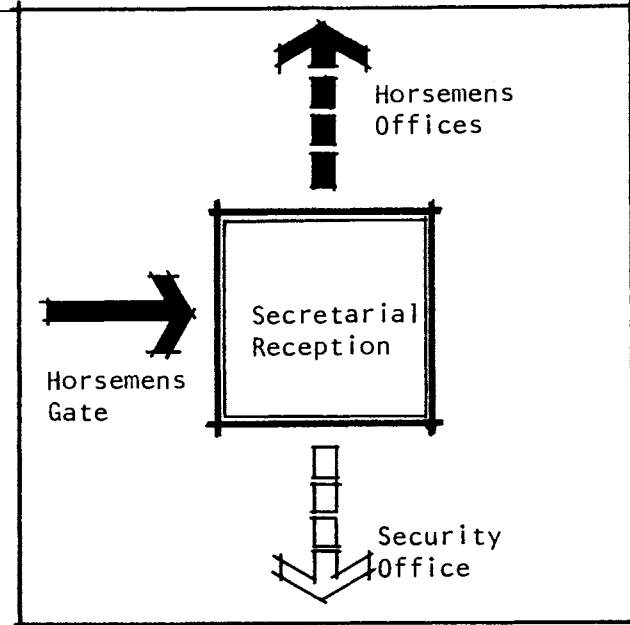
Horsemens offices
 Horsemens Gate
 Security office

CEILING: Hard
FLOOR: Tile
WALLS: Hard

SECURITY: None
H.V.A.C.: Central system of offices
LIGHTING: Daylighting and florescent
ELECTRICAL: Duplex as required, paging system, Backstretch switchboard
PLUMBING: None

2 desks with chairs, typing wings, and side chairs
 Lateral files
 Couch and table in waiting area

Outside view toward Horsemens Gate



Backstretch Manager

CODE	02	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

150 S.F.

Controls of all activities in the Backstretch area. The manager will give authorization on all orders, pick-ups, and deliveries.

1

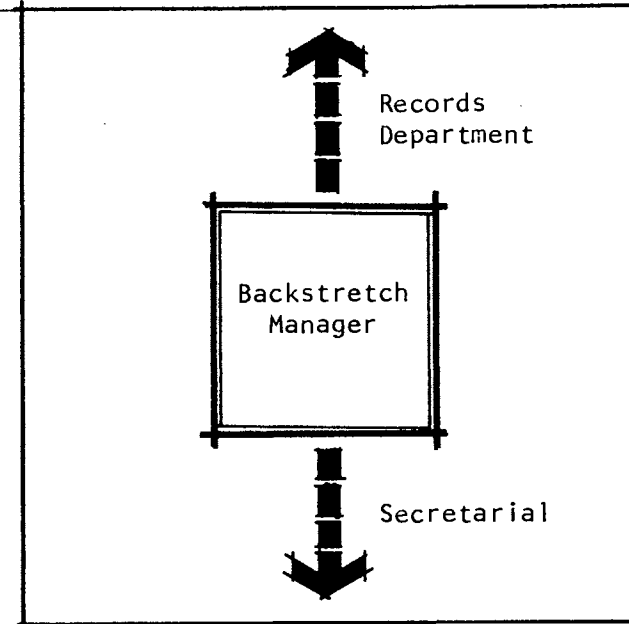
Secretarial area
Lobby
Records department

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central office system
LIGHTING: Daylighting or florescent
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: None required

Executive desk and chair
Lateral files
2 guest chairs
Cradenza

Outside view



CODE	03	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

300 S.F.

Management and updating of all records of the Backstretch area. Also will contain a small accounting department for the management of th Backstretch finances.

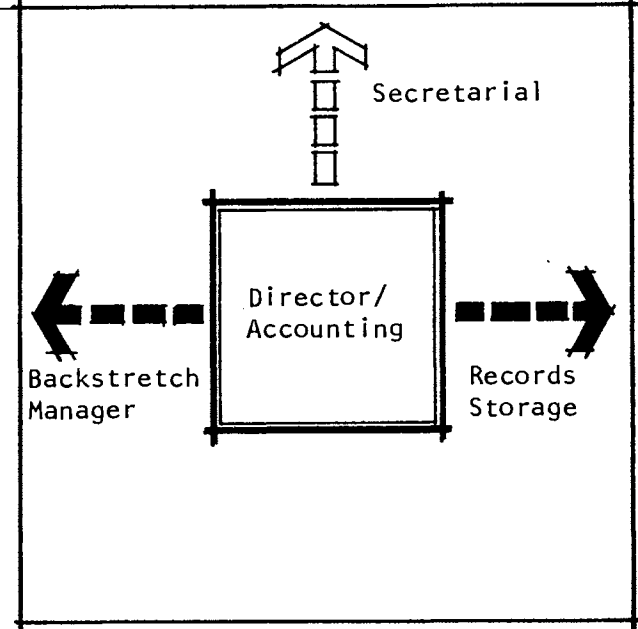
1 records director, 1 accountant

Records storage
 Secretarial area
 Lobby
 Backstretch manager

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Access control.
H.V.A.C.: Central office system
LIGHTING: Florescent
ELECTRICAL: Telephone jack and duplex as requires
PLUMBING: None required

2 desks and chairs with side chairs
 2 cradenzas
 File cabnets



CODE 04 **AREA**

300 S.F.

FUNCTION

Storage of all horse, trainer, stable persons, and owners records. Pass identification file.

HT. 8'-0" **OCC.**

1

SPATIAL RELATIONSHIPS

Secretarial area
Records director

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: carpet
WALLS: Hard

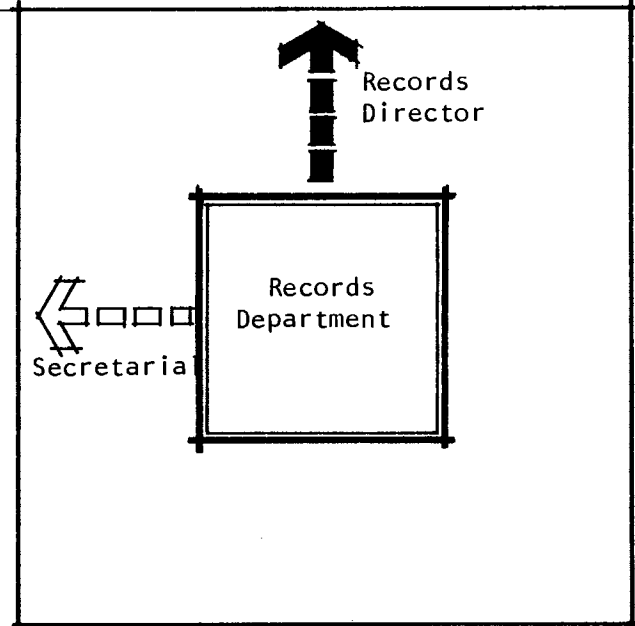
MECHANICAL

SECURITY: Access control
H.V.A.C.: Central office system
LIGHTING: Florescent
ELECTRICAL: Duplex as required
PLUMBING: None required

FURNITURE-EQUIPMENT

File cabinets
Computer for storage of older records

CONCEPT



CODE	05	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

250 S.F.

Office of the Backstretch photographer with a darkroom and equipment storage. The photographer handles all the Backstretch pass photography. The photographs are for use on the passes to allow anyone into the Backstretch area.

1 photographer, 1 client

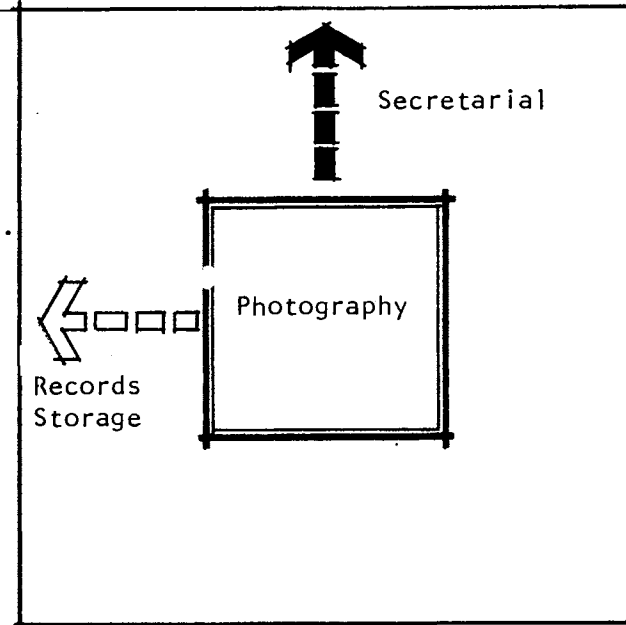
Lobby
 Secretarial area
 Records department

CEILING: Acoustical tile
 FLOOR: Carpet, tile in darkroom
 WALLS: Hard, painted for photography background

SECURITY: None required
 H.V.A.C.: Central office system
 LIGHTING: Florescent and photo lights
 ELECTRICAL: Telephone jack and duplexes as required
 PLUMBING: Wash basin

Darkroom equipment - Enlarger, developer, tables, sink
 Desk, chair, 2 side chairs, cradanza
 Files for photo files

Approximately a 10' x 10' darkroom



CODE	06	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

300 S.F.

Treatment of all injuries to persons in the Backstretch area. Access to an ambulance.

1 employee, possibly 2 patrons

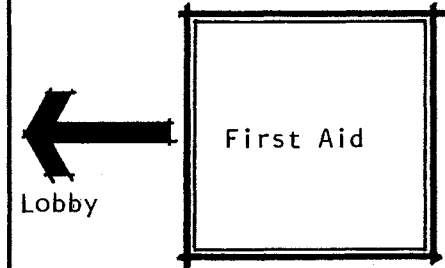
Lobby
Receptionist

CEILING: Acoustical tile
FLOOR: Carpet or tile
WALLS: Hard

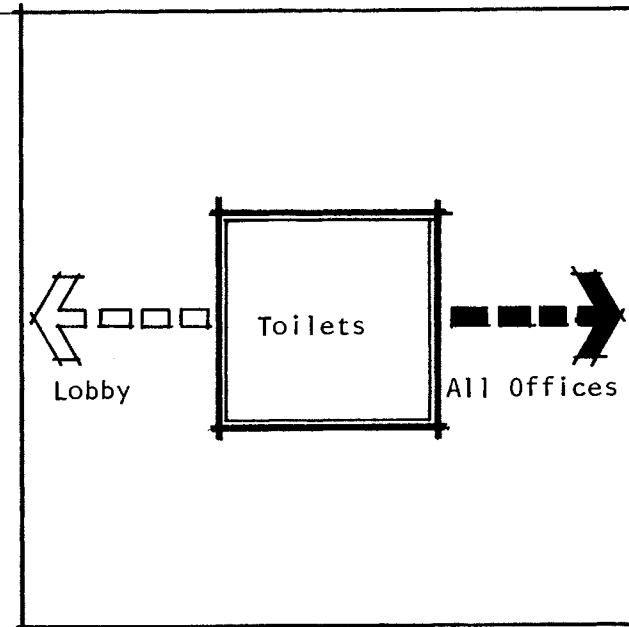
SECURITY: None required
H.V.A.C.: Central office system
LIGHTING: Florescent and task
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: Washing sink

Storage cabnets
Examination table
Receptionist desk, chair, and waiting chair
Office desk, chair, and files

Small reception area
Small office
Treatment room



CODE	07	AREA	70 S.F.
FUNCTION		1 Mens and 1 Womens toilets for use in the Horsemens offices.	
HT.	8'-0"	OCC.	1 each
SPATIAL RELATIONSHIPS		Lobby All offices	
ARCHITECTURAL		CEILING: Hard FLOOR: Tile WALLS: Hard	
MECHANICAL		SECURITY: None required H.V.A.C.: Central office system LIGHTING: Florescent or Incandescence ELECTRICAL: Duplex as required PLUMBING: For 1 toilet and 1 sink each	
FURNITURE-EQUIPMENT		1 toilet each 1 sink with counter top each	
CONCEPT			



CODE	B3	AREA
FUNCTION		
HT.	Vaulted	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

2000 S.F.

This facility would serve as a store for the selling of all tack, related items, and feed. The horsemen would purchase all items through the store and deliveries would be made by track personnel.

2 salespersons, 1 stock person

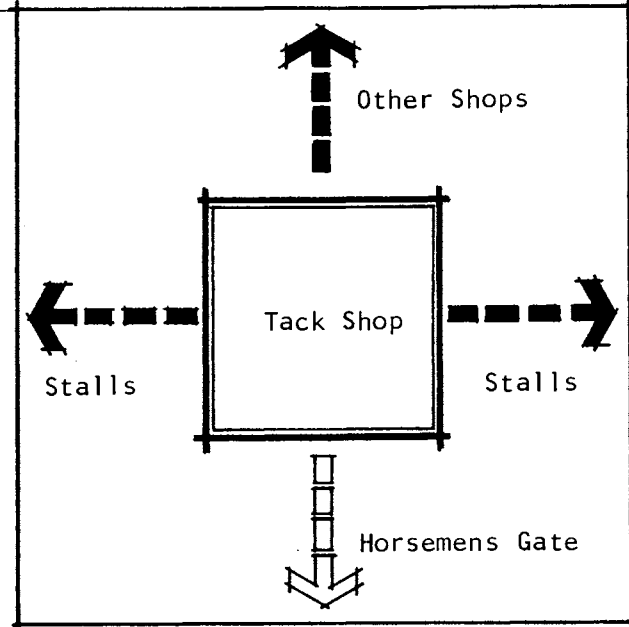
Centrally located within the backstretch area.

CEILING: Vaulted
FLOOR: Hard
WALLS: Hard

SECURITY: Security of goods;
H.V.A.C.: Shop unit with exposed systems, natural ventilation also
LIGHTING: Natrual and florescent
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: Small toilet facility for shop employees

Display cases
 Service counter
 Files for accounts
 Cash register

Optimum to have the facility to sell all goods and feed to the trainers, as a supplimental cash producing business. The shop area should be centrally located within the backstretch area.



Tack Repair

CODE	B3	AREA	
FUNCTION			
HT.	Vaulted	OCC.	
SPATIAL RELATIONSHIPS			
ARCHITECTURAL			
MECHANICAL			
FURNITURE-EQUIPMENT			
CONCEPT			

600 S.F.

Repair of all tack and equipment used in the backstretch area.

2

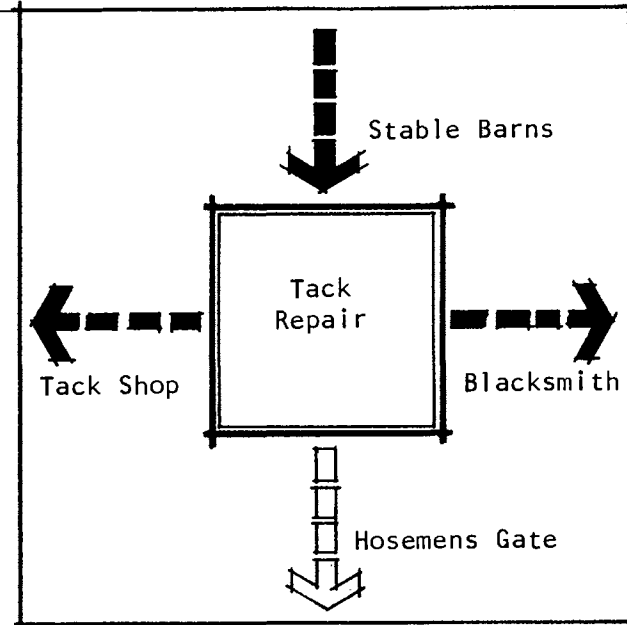
Centrally located within the backstretch and located with the tack shop and the blacksmith shop.

CEILING: Vaulted
FLOOR: Hard
WALLS: Hard

SECURITY: None required
H.V.A.C.: Shop system and natural ventilation
LIGHTING: Natural and florescent
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: Smaa sink

Work benches
 Tool storage
 Tack storage

Same complex as the tack shop and the blacksmith shop.



Blacksmith Shop

CODE	B3	AREA	
FUNCTION			
HT.	Vaulted	OCC.	
SPATIAL RELATIONSHIPS			
ARCHITECTURAL			
MECHANICAL			
FURNITURE-EQUIPMENT			
CONCEPT			

200 S.F.

Making and repairing of horseshoes and metal tack. Actual horseshoeing would be done at the individual stalls out of the blacksmith's shop.

3

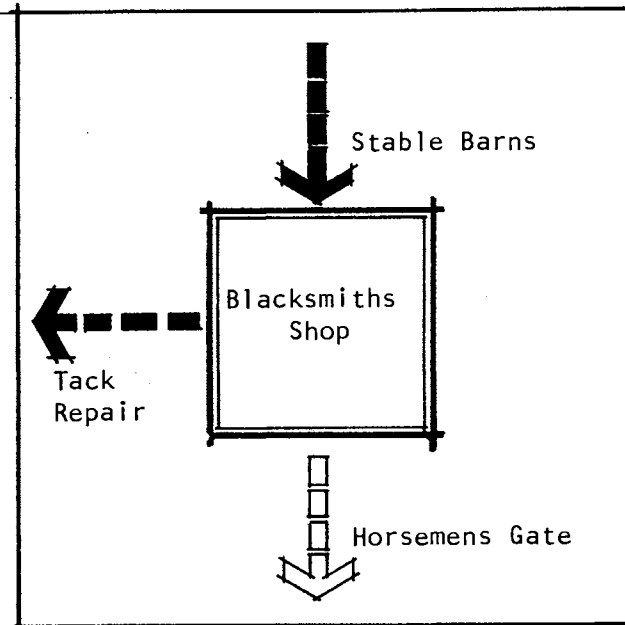
Centrally located in the same building as the tack shop and tack repair shop.

CEILING: Vaulted
FLOOR: Hard or packed dirt
WALLS: Hard

SECURITY: None required.
H.V.A.C.: Natural ventilation plus shop heat
LIGHTING: Natural lighting and down lighting
ELECTRICAL: Duplex as required
PLUMBING: Sink and a basin for cooling the horseshoes

Natural gas furnace
 Anvil
 Tool storage
 New and old shoe storage cabinets

Same complex as other shops and the shop should be airy to provide the best natural ventilation.



CODE	B4	AREA	
FUNCTION			
HT.	14'-0"	OCC.	
SPATIAL RELATIONSHIPS			
ARCHITECTURAL			
MECHANICAL			
FURNITURE-EQUIPMENT			
CONCEPT			

6 barns at 4000 S.F. each

4 barns for the storage of hay and 2 barns for the storage of bedding straw. Storage of all incoming hay and straw for daily distribution to the individual barns.

8000 bails of hay or straw

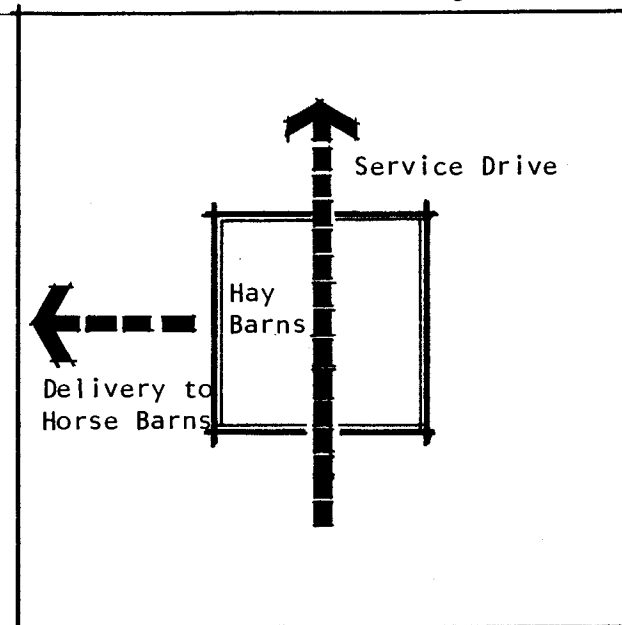
Service gate for easy access by the semi's
Locate on the fringe of the complex due to the fire hazard

CEILING: Vaulted
FLOOR: Concrete or wood pallets
WALLS: Double layer to provide ventilation

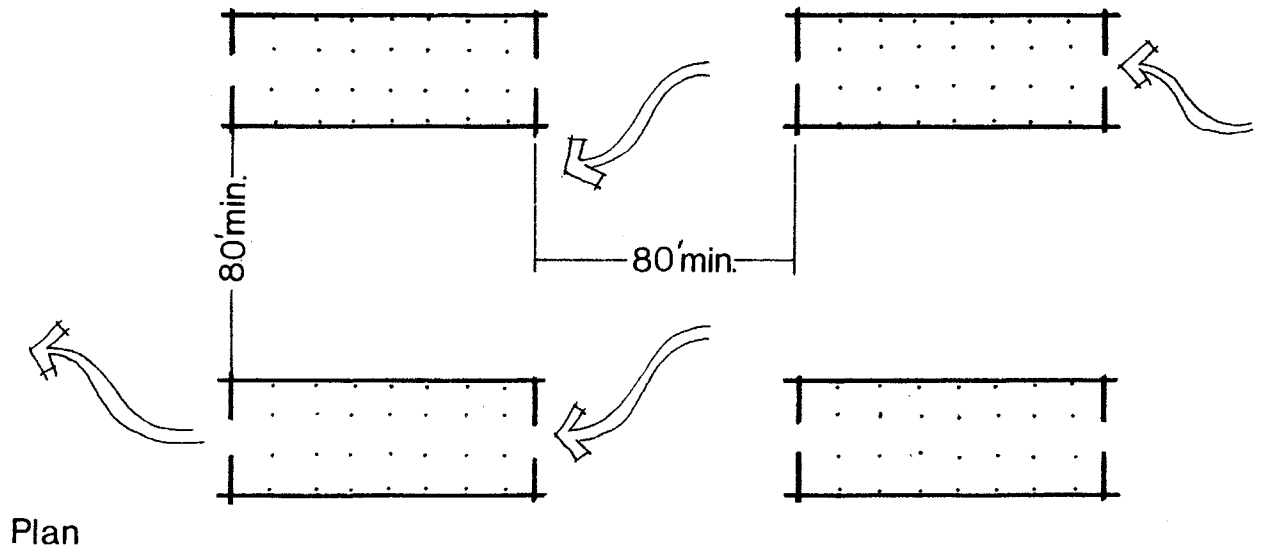
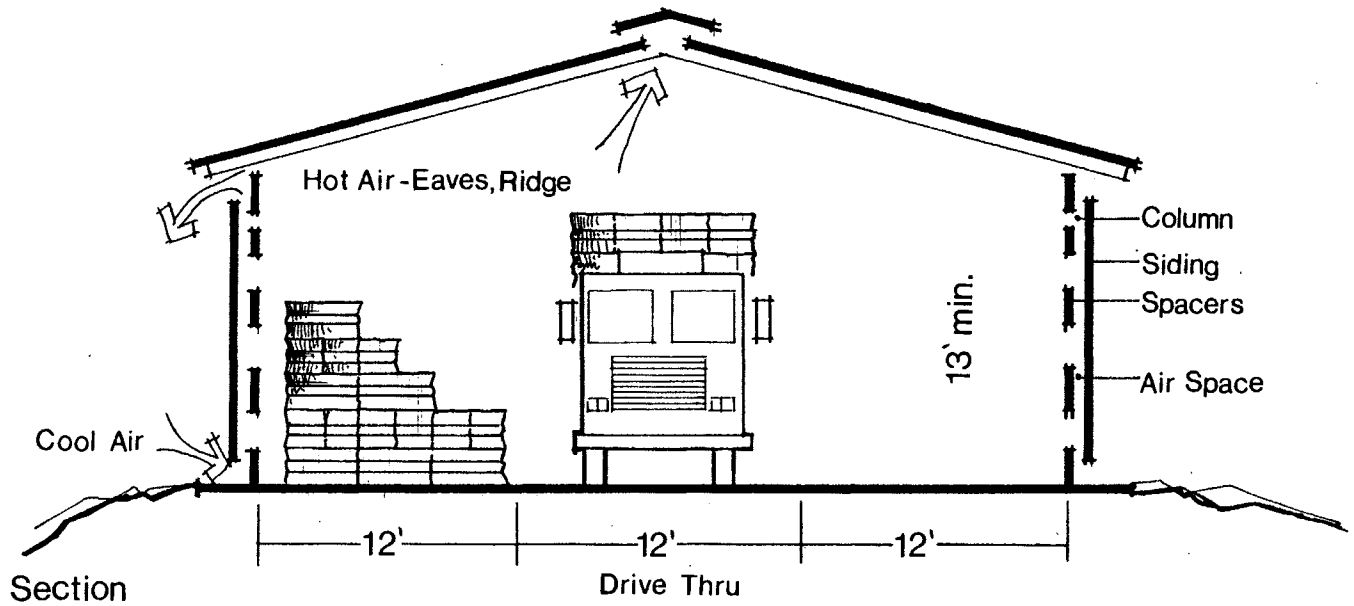
SECURITY: None required.
H.V.A.C.: Natural ventilation
LIGHTING: General incandescent or florescent
ELECTRICAL: Duplex as required
PLUMBING: None required

None

The structure should be three bays by eight bays measuring 12' x 12' each. The central bay running the length of the structure will be used to drive semi's through for the delivery of the bails. Also the long side should be oriented toward the prevailing summer breezes.



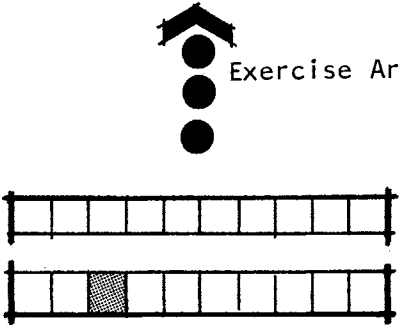
For the storage of hay and straw, it has been proven that an enclosed barn offers the best protection from the elements. The bay size is based on the size of the actual hay bales and of the equipment used to deliver and stack the hay. The optimum bay size has been proven to be 12' x 14' which can accommodate 36 bales per row which approximates 1 ton of hay which is then easy to inventory. Their should also be a central bay for a large semi to drive-thru to deliver the hay, the dimensions of this bay should be 12' wide by 14' tall. The barns should be at least 75' apart not only for the easy movement of the semis, but also due to the fire hazard. The hay is stored green and very high temperatures are produced as the hay cures, therefore, the hot air must be allowed to escape. Also, the long side of the building should be orientated toward the prevailing summer breezes. The configuration shown allows for natural vent



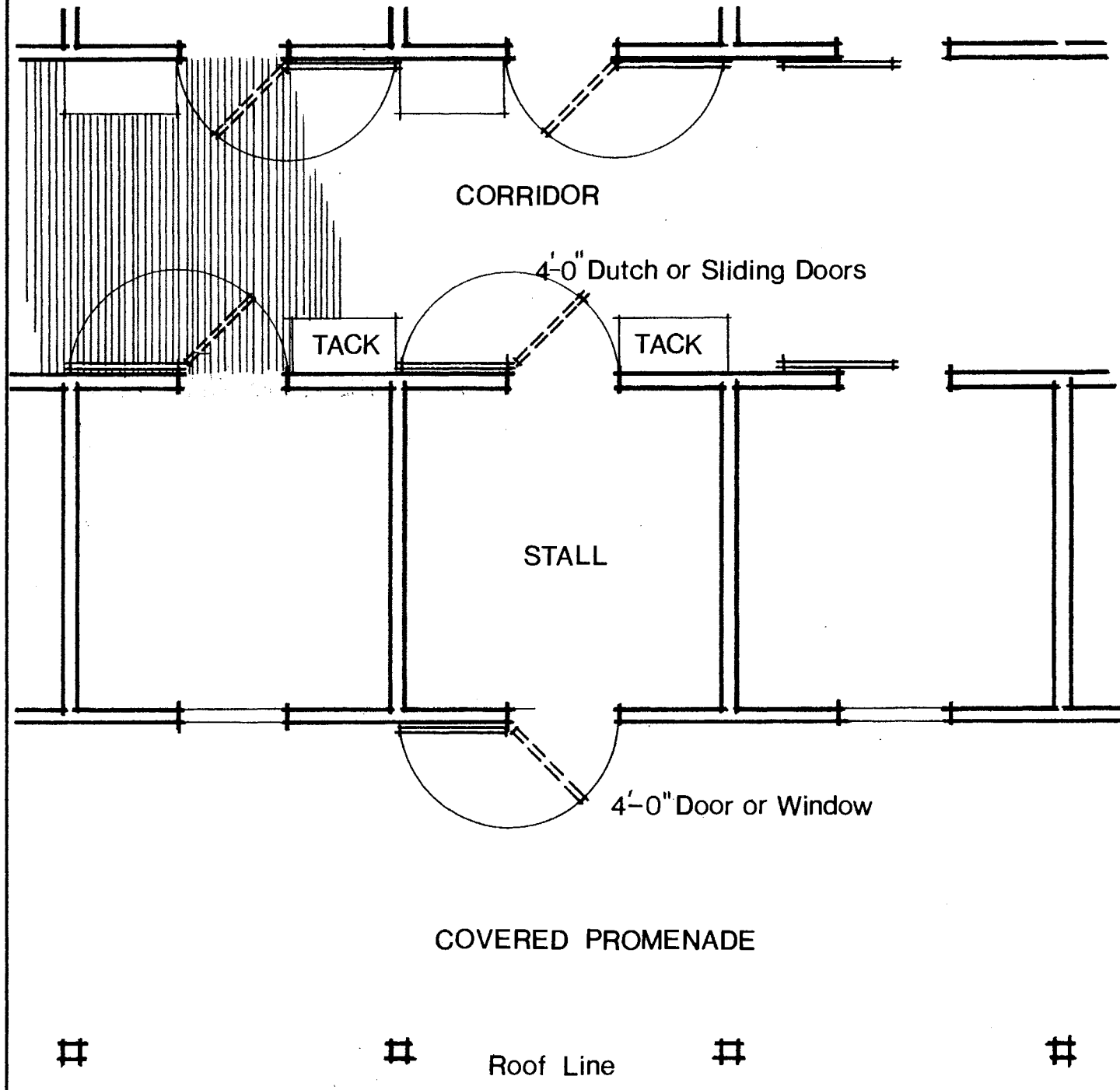
<p>CODE</p>	<p>B4</p>	<p>AREA</p>	<p>10' diameter</p>	
<p>FUNCTION</p>			<p>For the storage of oats and other grains for purchase through the tack shop for delivery to the individual barns.</p>	
<p>HT.</p>	<p>20'-0"</p>	<p>OCC.</p>	<p>None</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>Hay barns Service gate for delivery in bags.</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Hard FLOOR: Hard WALLS: Hard</p>	
<p>MECHANICAL</p>			<p>SECURITY: None required H.V.A.C.: None required LIGHTING: Area lighting ELECTRICAL: None required PLUMBING: None required</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>None required</p>	
<p>CONCEPT</p>			<p>The silo should have a spout to pour oats into bags for delivery to the individual barns.</p>	

Horse Barns

CODE	B5	AREA	6700 S.F. each	
FUNCTION			Each barn will contain 40 stalls, 2 tack rooms, trainers apartment, dormitories, toilets, and a minimum of 2 wash stalls per barn. 35' walkers would also be shared between 2 barns.	
HT.	Vaulted	OCC.	40 horses, 11 people	
SPATIAL RELATIONSHIPS			Training track Horse hospital Dining and recreation building	
ARCHITECTURAL			CEILING: High vaulted above the stalls to provide ventilation and openness FLOOR: Dirt and possibly a hard surface in the central corridor WALLS: Soft in stalls and hard in the people areas. Provide a perimeter covered walking area for the horses	
MECHANICAL			SECURITY: Very high for the protection of the horses HVAC: General heating and possibly a roof monitor for maximum air flow. LIGHTING: Corridor lighting ELECTRICAL: Duplex as required and speakers for paging system PLUMBING: Plumbing for wash stalls and hose bibs	
FURNITURE-EQUIPMENT			Tack and tool storage, and storage for wheelbarrows and pitch forks	
CONCEPT			Double loaded central corridor with a promenade walk on the perimeter East-West orientation to optimise the solar affect Exit must be within 150' of any area if sprinkled 100' of any area if un-sprinkled	

CODE B5	AREA	144 S.F.	
FUNCTION		To house the horse for eating, sleeping and grooming. Sometimes the stalls might be used as extra tack rooms or dormitory rooms.	
HT. Vaulted	OCC.	1 horse	
SPATIAL RELATIONSHIPS		Other stalls Tack rooms Dorm rooms Exercise areas	
ARCHITECTURAL		CEILING: Open FLOOR: Dirt with a straw covering WALLS: Preferably wood, possibly 2 x 8 T&G P.V.C. planks, materials other than those that are hard and would allow the animal to get hurt.	
MECHANICAL		SECURITY: High security from people H.V.A.C.: Natural ventilation with front and back openings and an open ceiling LIGHTING: Lighting in circulation areas and in each stall ELECTRICAL: 1 duplex per stall in circulation area PLUMBING: Within the length of a hose to a hose bib	
FURNITURE-EQUIPMENT		Chain gaurd across doorway 2 panel door Window in the rear of the stall with a closeable door Possible ceiling fan (optional)	
CONCEPT		Soft surfaces to prevent injuries Slope floor for drainage and ease of cleaning Open ceiling and best orientation for the best ventilation	

The optimum stall size has been determined to be 12' x 12' with a ceiling of 9-10'. The stalls should be allowed to open on to a center aisle which should also be on the 12' module. The front of the stall should contain a 4' wide dutch or sliding door to allow for both the horse and the keeper to move through freely. The back of the stall should also be a door or at least a window to allow for cross ventilation. The side walls of the stall should be solid up to a height of 5' with grillwork or open bars above that to allow ventilation and views for the horses to each other. The best flooring is a hard, porous clay sloping to the center for easy cleaning. Ventilation is vital and should be provided to allow 4 air changes per hour without creating a draft. The best material for stall construction is wood or P.V.C. with masonry being second above concrete or metal.



Tack Rooms

CODE B5	AREA	2 at 144 S.F. each	
FUNCTION		Storage of all tack for that individual barn or portion of a barn. A trainer or stable person would get equipment or tack and leave, functions as a storage room only.	
HT. 10'-0"	OCC.	No perminant occupancy	
SPATIAL RELATIONSHIPS		Stalls Exercise areas	
ARCHITECTURAL		CEILING: Hard or open FLOOR: Dirt or concrete WALLS: Hard	
MECHANICAL		SECURITY: Lockable door H.V.A.C.: None required LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: None required	
FURNITURE-EQUIPMENT		Storage cabnets Hooks and poles for the storage of tack	
CONCEPT		Locate the tack rooms centrally within barn for easy visual control and accessibility.	

Trainers Apartment

CODE	B5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

288 S.F.

To house the trainer for the entire season to look over and care for the horses of his farm.

1

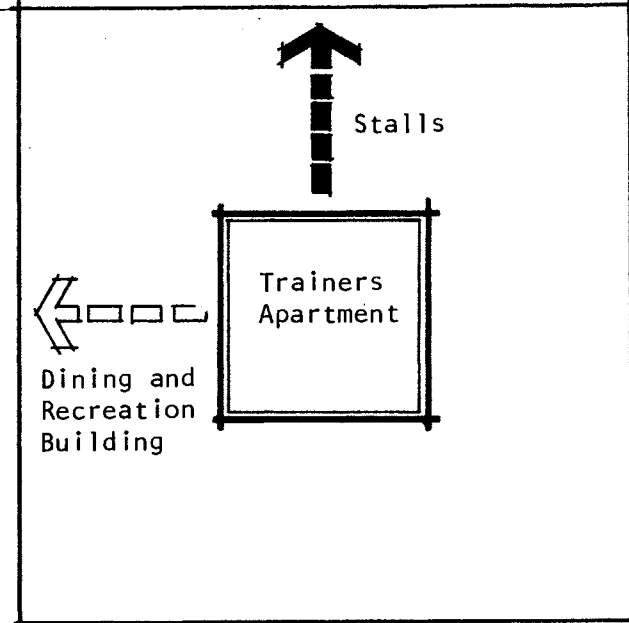
Located within stalls
Dining and recreation building

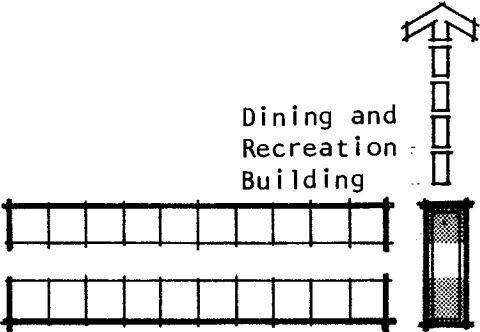
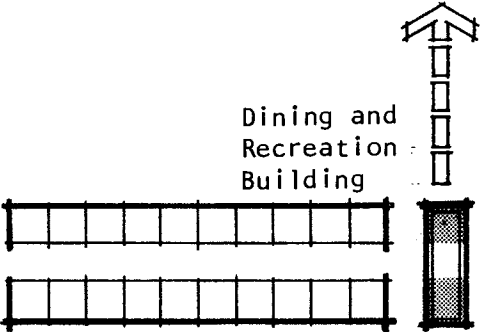
CEILING: Hard
FLOOR: Carpet or tile
WALLS: Hard

SECURITY: Lockable door.
H.V.A.C.: Natural ventilation and a small heater
LIGHTING: As needed in certain areas
ELECTRICAL: Duplex as required
PLUMBING: Bathroom plumbing

Furniture for a small simple apartment
 Bed, chest, couch, chair, and toilet room

Very simple studio apartment to house the trainer for the season



<p>CODE</p>	<p>B5</p>	<p>AREA</p>	<p>2 at 144 S.F. each</p>	 <p>Dining and Recreation Building</p>
<p>FUNCTION</p>			<p>Sleeping cubical for the hired hands that stay at the facility which is the same size as a stall. All dining, recreational, and toilet facilities are common.</p>	
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>4</p>	 <p>Dining and Recreation Building</p>
<p>SPATIAL RELATIONSHIPS</p>			<p>Stalls Toilets Dining and recreation building</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Hard FLOOR: Hard with an area rug WALLS: Hard</p>	
<p>MECHANICAL</p>			<p>SECURITY: None required H.V.A.C.: Natural ventilation and a small heater LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: None required</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>2 bunk beds Clothes storage</p>	
<p>CONCEPT</p>			<p>Very simple either at the ends of the barns or above the barns on a second level.</p>	

CODE	B5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

75 S.F.

Toilet and shower facilities for the live-ins at the facility.

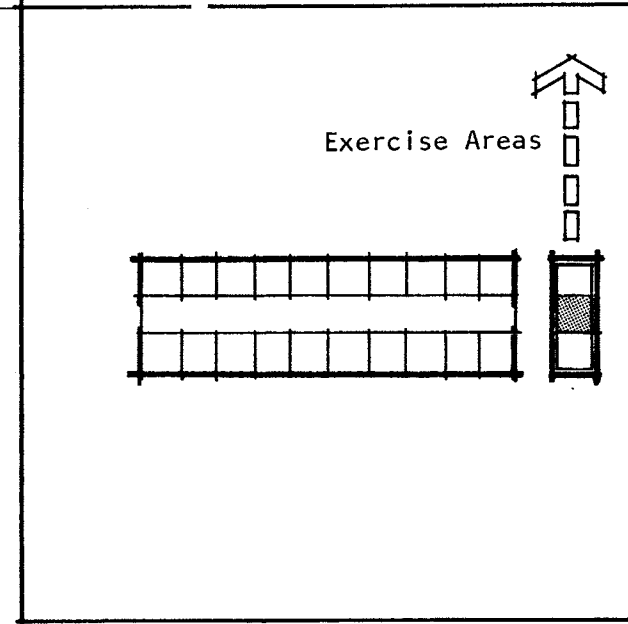
- -

Locacted within barn
Dormitory rooms

CEILING: Hard
FLOOR: Hard possibly tile
WALLS: Hard possibly tile

SECURITY: None required
H.V.A.C.: Natural ventilation
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Needed

2 shower stalls
2 toilet stalls
2 sinks
Drying area with towel racks



Training Track

CODE	B6	AREA
FUNCTION		
HT.	Open	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

42000 S.F.

All work-outs and traing is done on the 3/4 mile dirt training track.

Varies

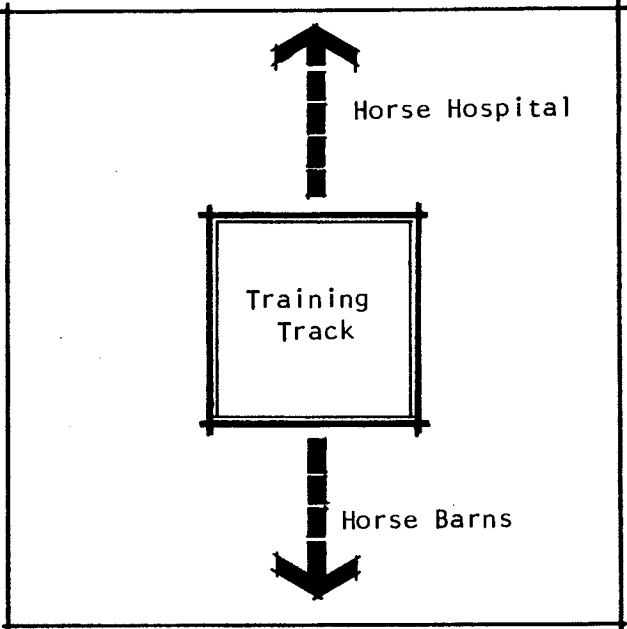
All horse barns
Horse hospital

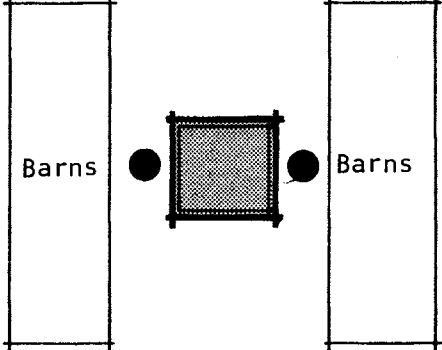
CEILING:
FLOOR:
WALLS:

SECURITY:
H.V.A.C.:
LIGHTING:
ELECTRICAL:
PLUMBING:

Small starting gate
Spectator area

Relaxing atmosphere with the possibility of natural shade



CODE	AREA	<p>Horse loading ramps Waste hay enclosures for daily pick-up Possibly 4 wash stalls shared between barns Lunging ring per every 4 barns (80' diameter) 35' walker inbetween every 2 barns</p>	 <p>The diagram illustrates the layout of common facilities. It shows two vertical rectangles labeled 'Barns' on either side of a central square structure with a stippled pattern. Two solid black circles are positioned on the horizontal centerline, one to the left and one to the right of the central square, representing the 35' walker mentioned in the text.</p>
FUNCTION			
HT.	OCC.		
SPATIAL RELATIONSHIPS		<p>Covienently locate throughout the backstretch area.</p>	
ARCHITECTURAL		<p>CEILING: FLOOR: WALLS:</p>	
MECHANICAL		<p>SECURITY: H.V.A.C.: LIGHTING: ELECTRICAL: PLUMBING:</p>	
FURNITURE-EQUIPMENT			
CONCEPT		<p>Loading ramps - 10' x 12', long dimension slope 3' with dirt and straw floor. Hay enclosure - 10' x 15', 3 sides enclosed to a height of 4'. Lunging ring - simple covered workout area for up to 6 horses.</p>	

Dining / Recreation

CODE	B7	AREA
FUNCTION		
HT.	10'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

5000 S.F.

Provide all meals to those in the backstretch area at an affordable price. The recreation area provides an area for the hired hands to relax and play.

50 maximum for dining
100 maximum in recreation area

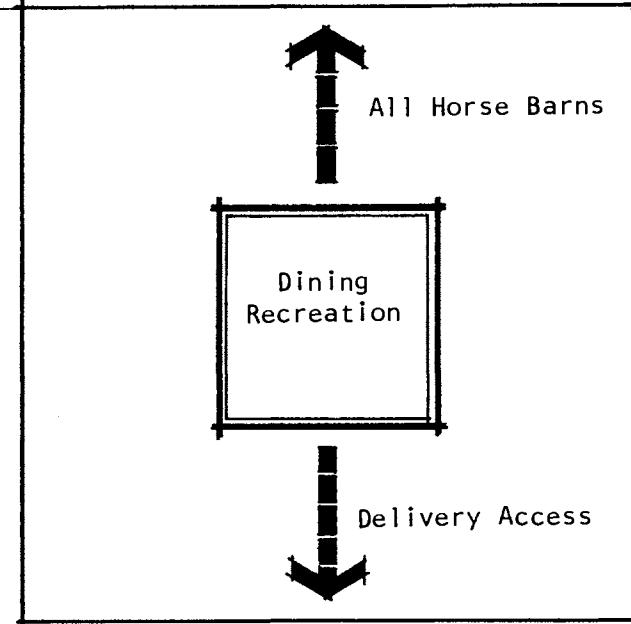
All barns
Delivery access

CEILING: Hard
FLOOR: Hard
WALLS: Hard

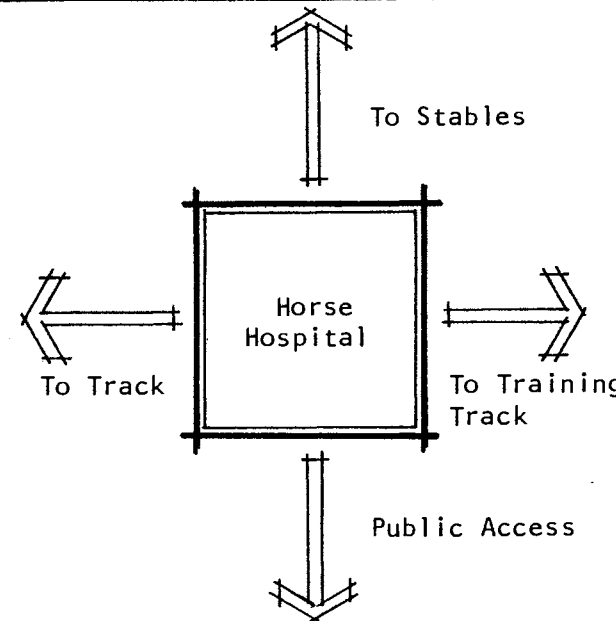
SECURITY: None required.
H.V.A.C.: Natural ventilation and a roof top unit for the building
LIGHTING: General lighting as required
ELECTRICAL: Duplex as required, T.V. hook-ups, telephone jacks
PLUMBING: Plumbing in the kitchen

Fully equiped kitchen
Tables and chairs for 50 persons
Couches, chairs, tables, T.V.'s, and game tables

Flexible space to allow for larger groups in either the dining area or the recreation area.

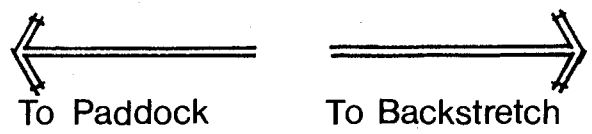
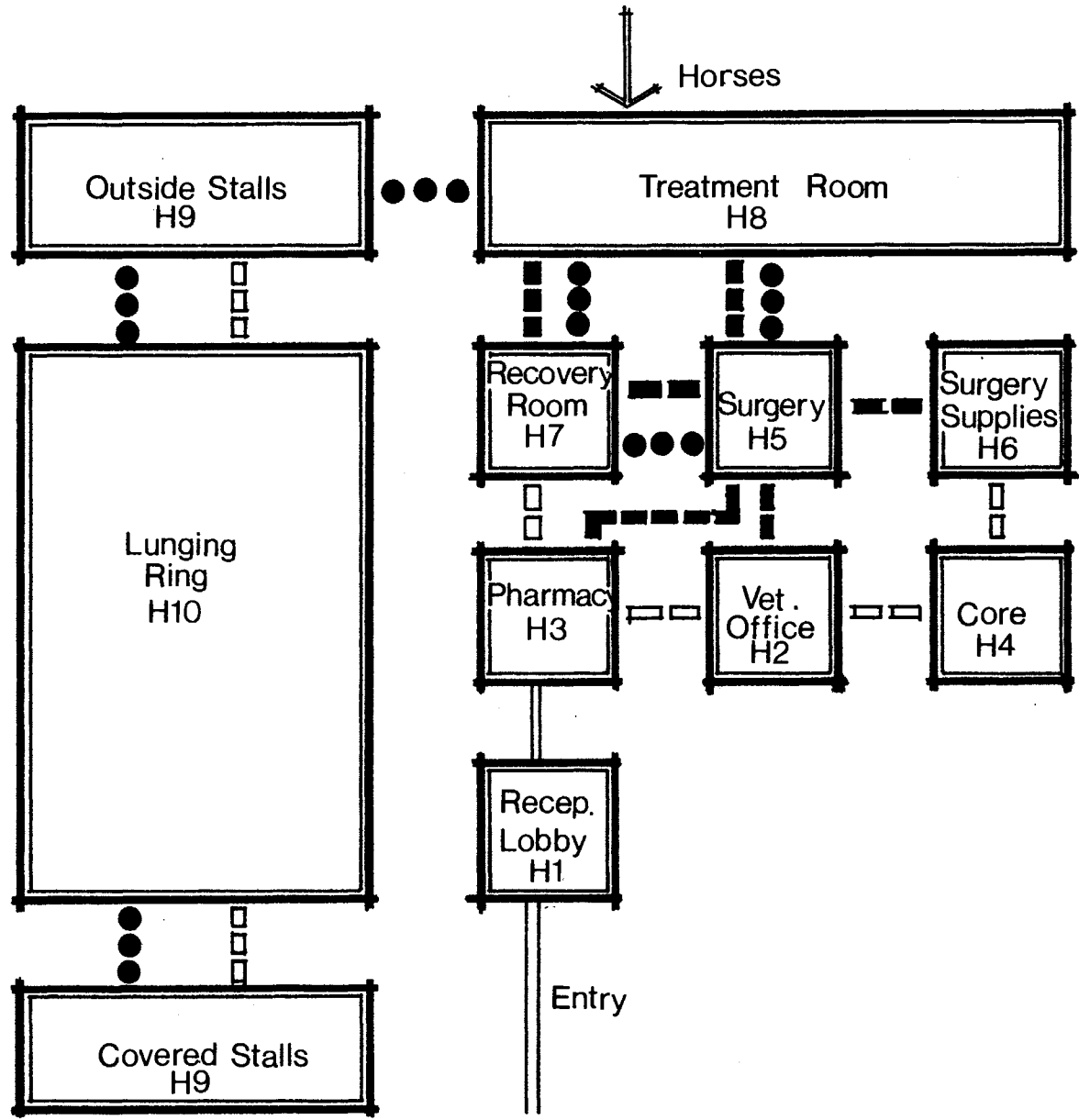


This facility will provide both general practice and surgical needs for horses boarded at the facility as well as the general population. The facility includes a Pharmacy, Surgery room, Treatment area, Recovery stalls, and complete workout facilities for the total treatment of all horse injuries. Also, one of the primary functions of the facility will be the performance of random post race tests to reduce the risk of drugging the animals. The facility must be able to serve not only the horses admitted for treatment, but also provide outdoor waiting and walking areas for up to 20 horses. The location should be such that the facility is convenient for post-race testing and for access to horsemen in need of the facility. The structure should be in a style compatible with the other facilities in the Backstretch Area.



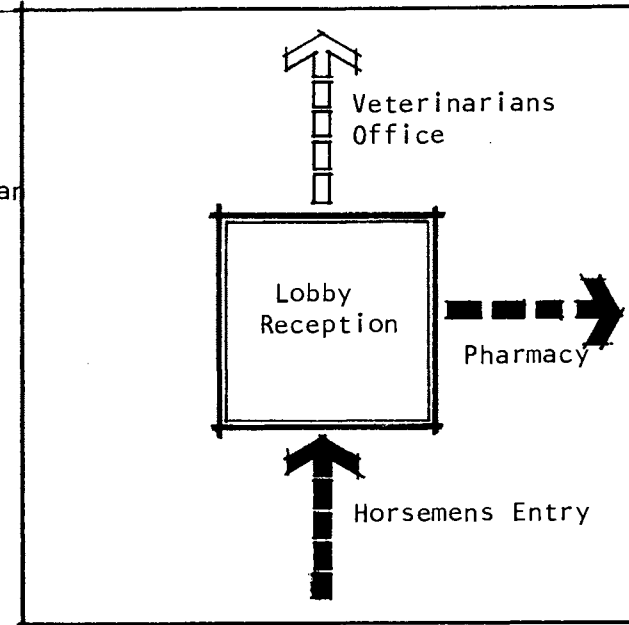
Space Requirements

H1	Reception and Waiting	150 S.F.
H2	Veterinarian Office	225 S.F.
H3	Pharmacy	225 S.F.
H4	Storage/Toilets/Janitorial	150 S.F.
H5	Surgery	400 S.F.
H6	Surgical Supplies	200 S.F.
H7	Recovery Room	400 S.F.
H8	Treatment Room	1000 S.F.
H9	Covered Stalls	2880 S.F.
H10	Lunging Ring	6600 S.F.
Total		14000 S.F.



Reception Lobby

CODE	H1	AREA	150 S.F.
FUNCTION	Check-in of horses for treatment and functions as a waiting area. Secretary for the veterinarian and keeps all accounts, records, and appointments.		
HT.	8'-0"	OCC.	1 receptionist, 2 trainers
SPATIAL RELATIONSHIPS	Veterinarians office Pharmacy		
ARCHITECTURAL	CEILING: Hard FLOOR: Hard for easy maintenance WALLS: Hard and glass where possible		
MECHANICAL	SECURITY: Acts as a control point H.V.A.C.: Central system for the hospital LIGHTING: General lighting and task lighting over receptionist desk ELECTRICAL: Telephone jack and duplex as required PLUMBING: None required		
FURNITURE-EQUIPMENT	Receptionist desk with typing wing and chair Lateral files 2 waiting chairs Shelving		
CONCEPT	Provide a view to the outside		



Veterinarian Office

CODE	H2	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

225 S.F.

Office for the head veterinarian at the track with an area for records and research material

1

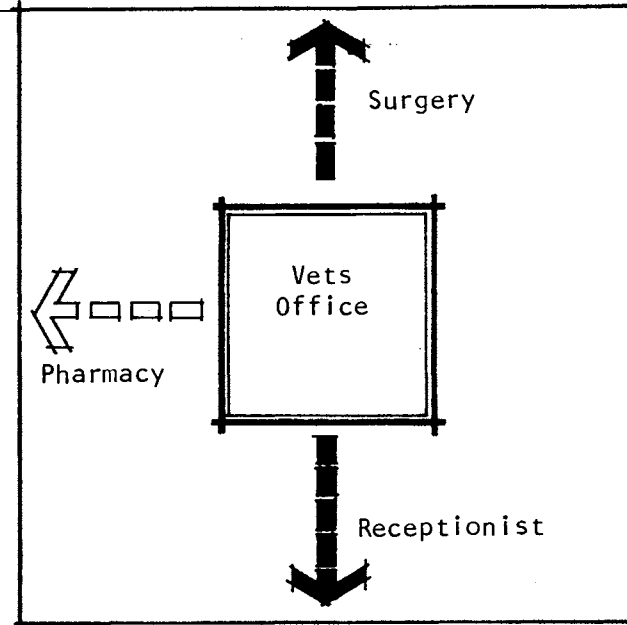
Receptionist
Surgery room
Pharmacy

CEILING: Hard
FLOOR: Carpet
WALLS: Hard, one wall of windows, one wall of shelving

SECURITY: Control through the reception area
H.V.A.C.: Central hospital system
LIGHTING: General and task over the desk
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: None required

Desk and chair
2 side chairs
Shelving

View to outside and easy access to surgery room



CODE	H3	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

225 S.F.

Storage and distribution of all horse medicine.
The pharmacist would assist the vet in surgery.

1

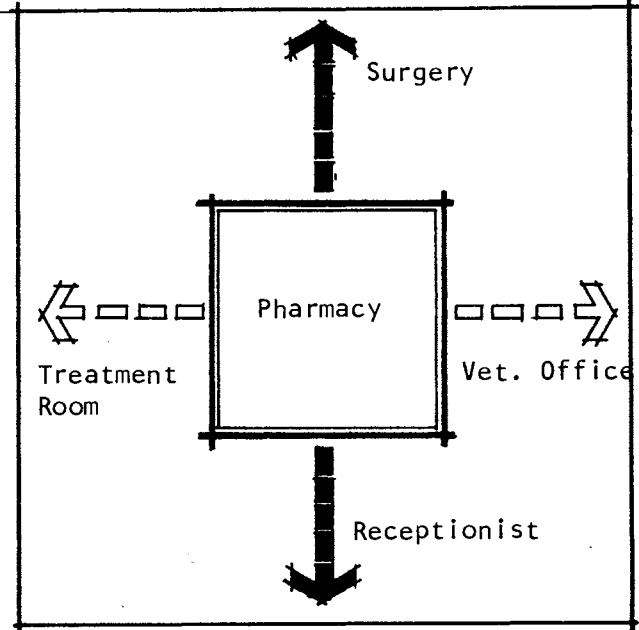
Surgery room
Surgery supply
Reception area

CEILING: Hard
FLOOR: Tile
WALLS: Hard

SECURITY: High security
H.V.A.C.: Central hospital system
LIGHTING: General lighting and task lighting over counter
ELECTRICAL: Duplex as required
PLUMBING: Sink

Floor to ceiling shelving with small bins
Desk or counter with chair
Service counter possibly facing lobby
Refrigerator for storage of some medicine

Possible window facing lobby for easy access to the horsemen



CODE	H4	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

150 S.F.
 Staff toilet
 General storage
 Janitor closet and storage

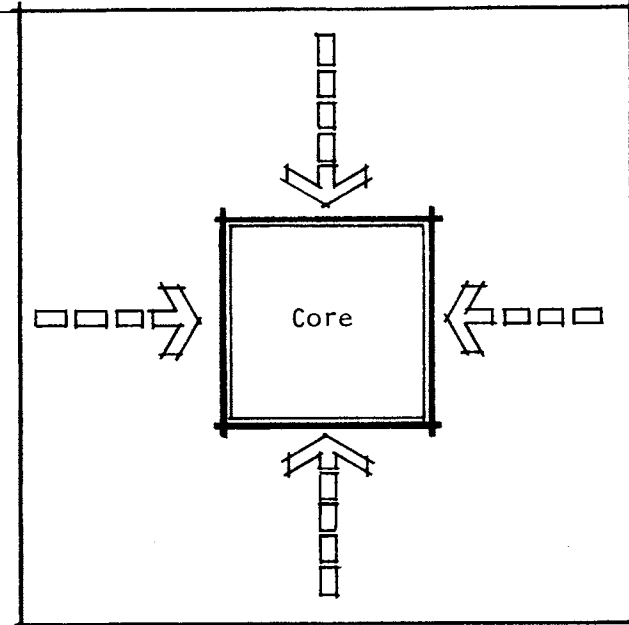
None

Centrally located

CEILING: Hard
FLOOR: Tile for easy cleaning
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central hospital system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Toilet plumbing and janitor wash sink

2 toilets
 2 sinks
 Floor sink
 Built in shelving



CODE	H5	AREA
FUNCTION	Major and minor surgery and treatment to horses.	
HT.	10'-0" minimum	OCC.
SPATIAL RELATIONSHIPS	Recovery room Treatment room Surgical supply room	
ARCHITECTURAL	CEILING: Hard FLOOR: Padded WALLS: Padded	
MECHANICAL	SECURITY: None required. H.V.A.C.: Central hospital system, 100% Make-up air LIGHTING: General lighting plus surgical lamps ELECTRICAL: Duplex as required, some 220 v. PLUMBING: Scrub sink	
FURNITURE-EQUIPMENT	Special surgery table High intensity lamps Scrub sink Tool and imediate supply storage	
CONCEPT	This facility would be able to perform all necessary surgery for complete care of the horses.	

400 S.F.

Major and minor surgery and treatment to horses.

3 personnel plus 1 horse

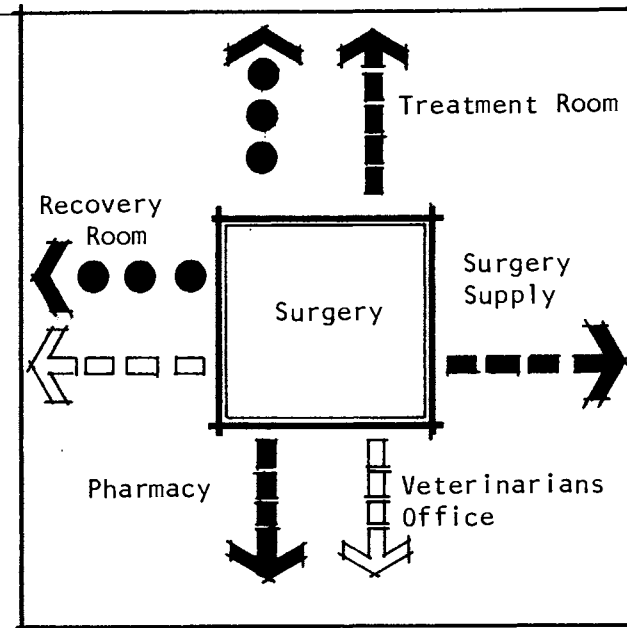
Recovery room
Treatment room
Surgical supply room

CEILING: Hard
FLOOR: Padded
WALLS: Padded

SECURITY: None required.
H.V.A.C.: Central hospital system, 100% Make-up air
LIGHTING: General lighting plus surgical lamps
ELECTRICAL: Duplex as required, some 220 v.
PLUMBING: Scrub sink

Special surgery table
High intensity lamps
Scrub sink
Tool and imediate supply storage

This facility would be able to perform all necessary surgery for complete care of the horses.



CODE	H6	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Storage of all supplies needed in the surgery and treatment rooms such as tools, supplies and blood.

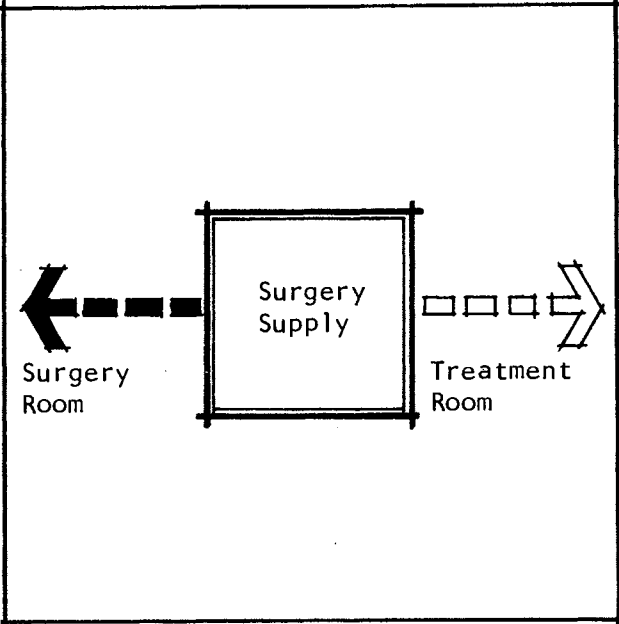
None

Surgery room
Pharmacy
Treatment room

CEILING: Hard
FLOOR: Hard
WALLS: Hard

SECURITY: Control by the receptionist
H.V.A.C.: Central hospital system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Floor to ceiling shelving
Refrigerator for the storage of blood



CODE	H7	AREA
FUNCTION		
HT.	10'-0" minimum	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

400 S.F.

This room allows for the preparation of the horse before surgery and is a space where the horse can regain consciousness after surgery.

Possibly 3 plus 1 horse

Surgery room
Treatment room and wash down area outside

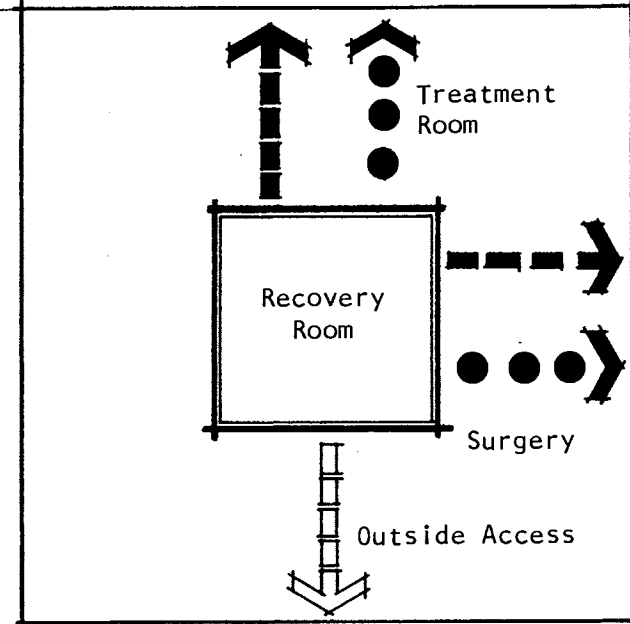
CEILING: Hard
FLOOR: Padded
WALLS: Padded

SECURITY: Control by the receptionist
H.V.A.C.: Central hospital system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Large door to access the outside in case of a horse death

Octoganal in shape so the horse can not back into any corners

Recovery Room



Treatment Room

CODE	H8	AREA
FUNCTION		
HT.	10'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1000 S.F.

General minor treatment, basic physicals, post race urine analysis, and an area for pre-surgery wash down. Also office space for 2 assistant veterinarians and a small room with visual access to the recovery stalls for a 24 hour observation.

Possibly 3 plus 1 horse

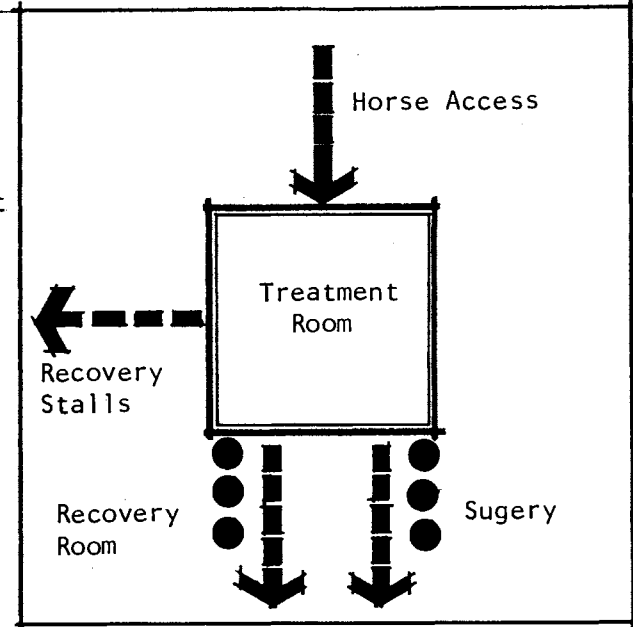
Surgery room
Recovery room
lunging ring and recovery stalls

CEILING: Hard
FLOOR: Padded
WALLS: Padded

SECURITY: Control by the receptionist
H.V.A.C.: Central hospital system
LIGHTING: General lighting and task lighting in the treatment area
ELECTRICAL: Duplex as required
PLUMBING: Wash down area and sink

Desk area for 2 persons
Research area with equipment storage
Bed and a small chest

Drive thru drop off area between the treatment room and the lunging ring



Recovery Stalls

CODE	H9	AREA	
FUNCTION			
HT.	Vaulted	OCC.	
SPATIAL RELATIONSHIPS			
ARCHITECTURAL			
MECHANICAL			
FURNITURE-EQUIPMENT			
CONCEPT			

20 at 144 S.F. each = 2880 S.F.

Recovery area and waiting area for horses to receive or have received treatment so that the veterinarian can watch the progress of the recovery.

1 horse per stall

Treatment room
Drop-off
Outside walking areas

CEILING: Hard

FLOOR: Dirt covered with straw

WALLS: Soft surfaces to protect the horse.

SECURITY: Medium security for the protection of the horses

H.V.A.C.: Open air

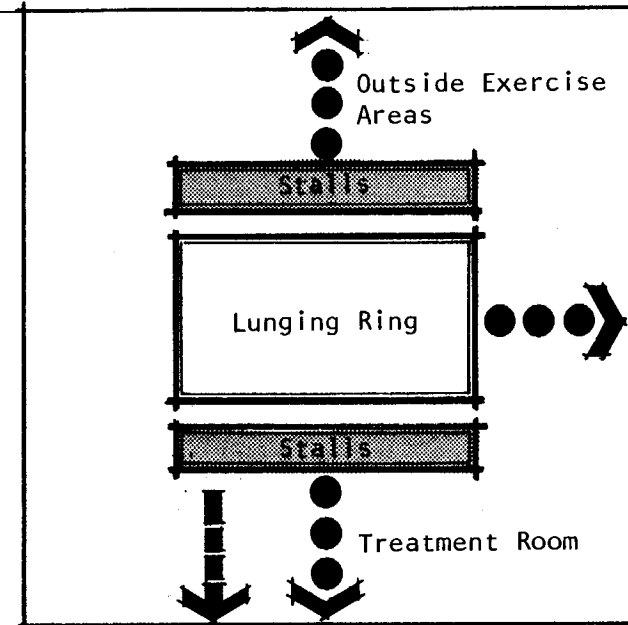
LIGHTING: 1 light per stall

ELECTRICAL: 1 duplex per stall

PLUMBING: Plumbing for whirlpool and hose bibs

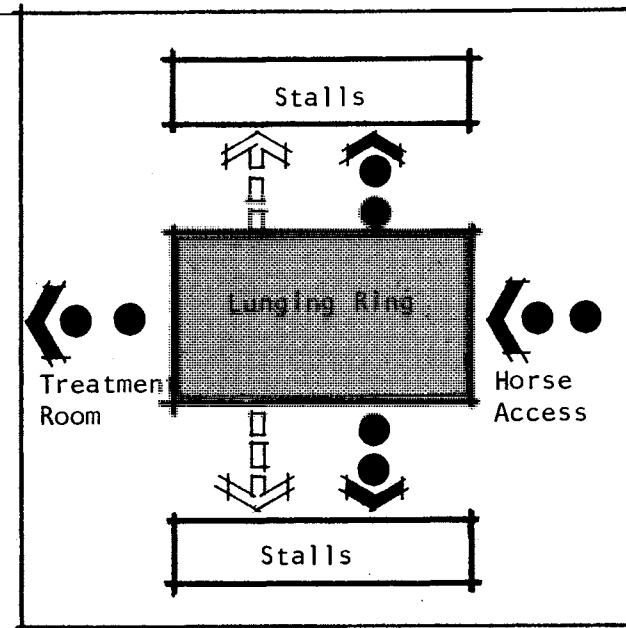
2 panel door
Chain guard across doorway

Soft surfaces to prevent injury and slope the floor for drainage.
Keep the structure light and airy for proper ventilation

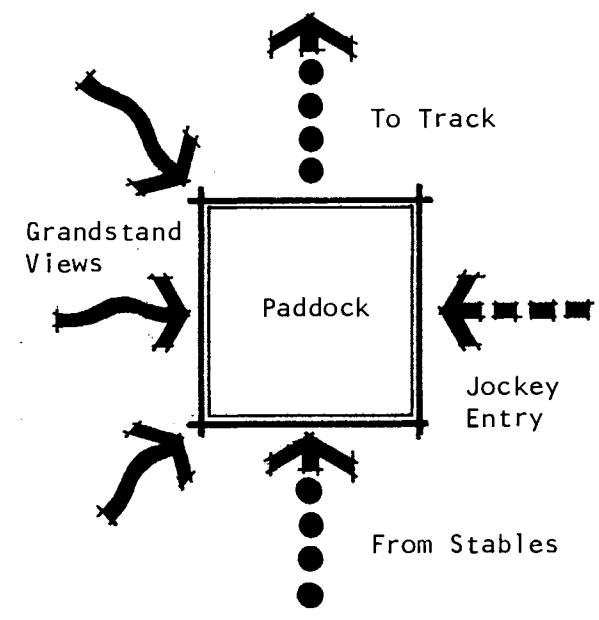


Lunging Ring

CODE	H10	AREA	6600 S.F.
FUNCTION	For the general exercise of horses under treatment at the hospital.		
HT.	Vaulted	OCC.	Varies
SPATIAL RELATIONSHIPS	Treatment stalls Treatment room Backstretch stables		
ARCHITECTURAL	CEILING: Open and airy FLOOR: Dirt WALLS: Wood and open above		
MECHANICAL	SECURITY: Visual control of the facility H.V.A.C.: Open air LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: Plumbing for whirlpool and hose bibs		
FURNITURE-EQUIPMENT	60' diameter walker 35' diameter pool with entry ramps		
CONCEPT	Stalls and lunging ring form one large open space with the stalls defining the space. Overflow exterior walking areas and stalls nearby to walk the horse after a race to get a uring sample.		



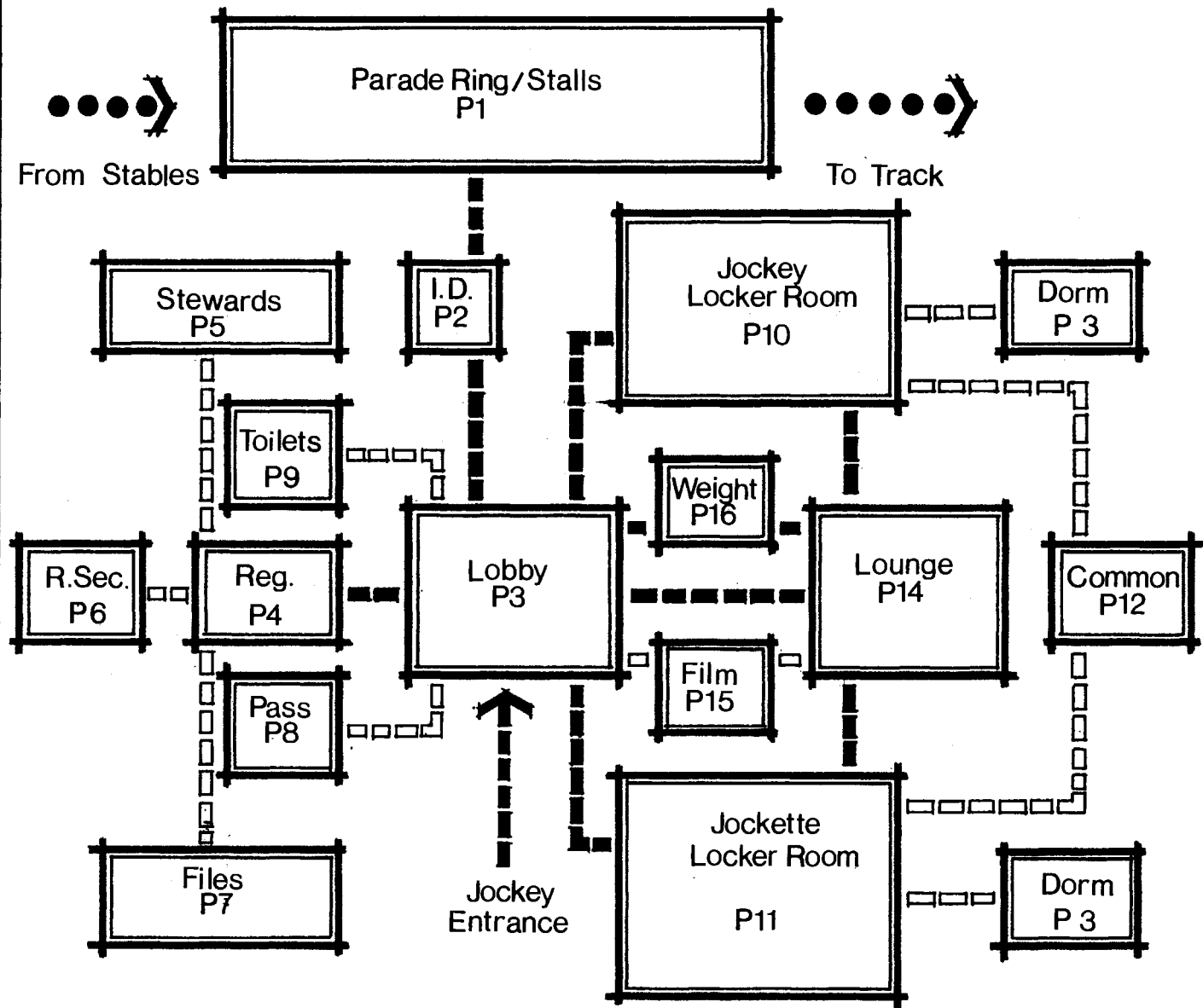
The Paddock is a very important part in the preparation for a race. All jckeyes register at the Paddock House a couple of hours before the first race and must remain in the Paddock or Track area until after their last race. Therefore, the Paddock House includes facilities for jockey arrival and registration, intermediate facilities, and mental and physical preparation for a race. The exterior Paddock facilities include saddling stalls and a parade ring where the horses and jockeys are joined and viewed by the spectators at close range. The Paddock is to be viewed from the grandstand and shall be located such that the horses may be viewed conviently from all levels of the Grandstand. It is during this parading process that the greatest amount of money is wagered. Therefore, the Paddock should create an inviting atmosphere with large crowds and ample betting facilities in the viewing areas.



Space Requirements

P1	Parade Ring and Saddling Stalls	25728 S.F.
P2	Identification Area	240 S.F.
P3	Lobby	1500 S.F.
P4	Registration	700 S.F.
P5	Stewards	240 S.F.
P6	Racing Secretary	240 S.F.
P7	Files	120 S.F.
P8	Passes	170 S.F.
P9	Public Toilets	200 S.F.
P10	Jockey Locker Room	1600 S.F.
P11	Jockette Locker Room	300 S.F.
P12	Common Areas- Laundry/Massage/Sauna	645 S.F.
P13	Dormitory	225 S.F.
P14	Jockey Lounge	1100 S.F.
P15	Film Room	225 S.F.
P16	Weight Room	200 S.F.

Total 9370 S.F.
excluding ring



Parade Ring

CODE	P1	AREA
FUNCTION		
HT.	Open	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

24000 S.F.

The function of the Parade Ring is to show off the horses and the jockeys at close range to the spectators. The goal of this space is to be a showcase for the horses and jockeys.

12 Horses, Jockeys, and Trainers

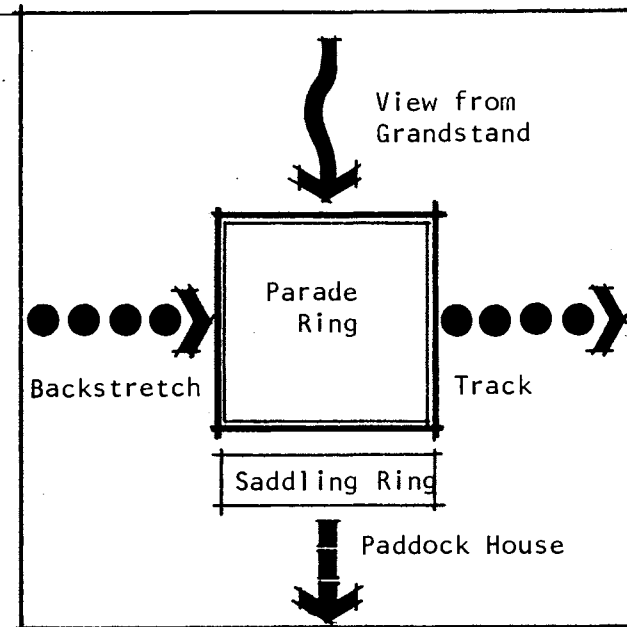
Backstretch
Paddock House
Saddling Stalls
Grandstand Viewing

CEILING: Open
FLOOR: Dirt
WALLS: Open

SECURITY: Minimum for the protection of the horses
H.V.A.C.: Open air
LIGHTING: High intensity lights for night viewing
ELECTRICAL: None
PLUMBING: Sprinklers to keep the parade surface moist

Camera Platform

This is where the action is, the highest percentage of money is wagered at the Paddock area show the area should be very elegant and act as the showcase for the horses and jockeys.



Saddling Stalls

CODE	P1	AREA
FUNCTION		
HT.	10'-0" minimum	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

12 at 144 S.F. each = 1728 S.F.

To saddle, mount, and physically prepare the horse and jockey for a race. Each horse in a particular race will have a Saddling Stall of its own.

1 Horse, 1 Jockey, 2 Trainers

Parade Ring
Paddock House
Backstretch
Visual to Grandstand

CEILING: Hard or open air

FLOOR: Dirt

WALLS: Soft surfaces that will not injure the horse

SECURITY: Minimum to protect the horse

H.V.A.C.: Natural ventilation

LIGHTING: Down light in each stall

ELECTRICAL: Duplex outlet at each stall

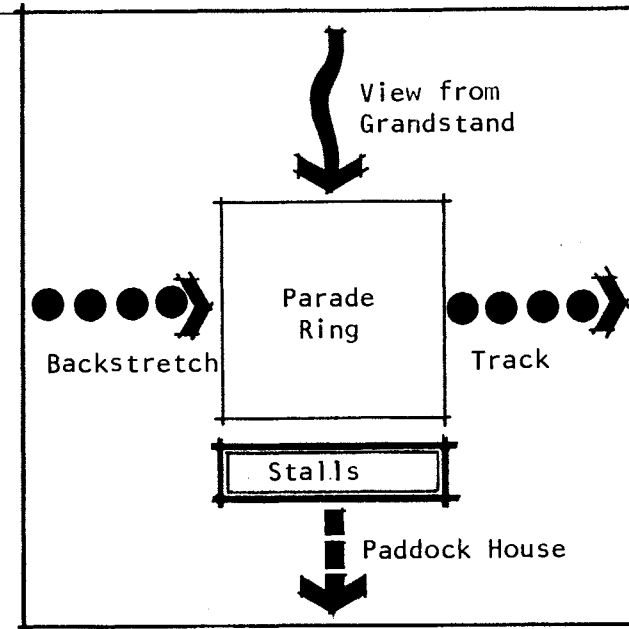
PLUMBING: Hose bibs as required

None required

Open air

Best possible sight lines to the grandstand

Allow the horses to see each other



<p>CODE</p>	<p>P2</p>	<p>AREA</p>	<p>240 S.F.</p>	
<p>FUNCTION</p>			<p>Judges area to overview all the activities within the Paddock area.</p>	
<p>HT.</p>	<p>8'-0" or Open air</p>	<p>OCC.</p>	<p>2</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>Lobby Saddling Stalls Parade Ring</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Hard FLOOR: Hard WALLS: Open or glass</p>	
<p>MECHANICAL</p>			<p>SECURITY: None required H.V.A.C.: Central Paddock system or open air LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: None required</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>Work counter 2 chairs</p>	
<p>CONCEPT</p>			<p>Open counter to parade ring side and toward access side from lobby</p>	

CODE	P3	AREA
FUNCTION		
HT.	Vaulted	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1500 S.F.

Waiting area before jockey registration, visitor waiting area, and post-race waiting area.

Up to 50 jockeys

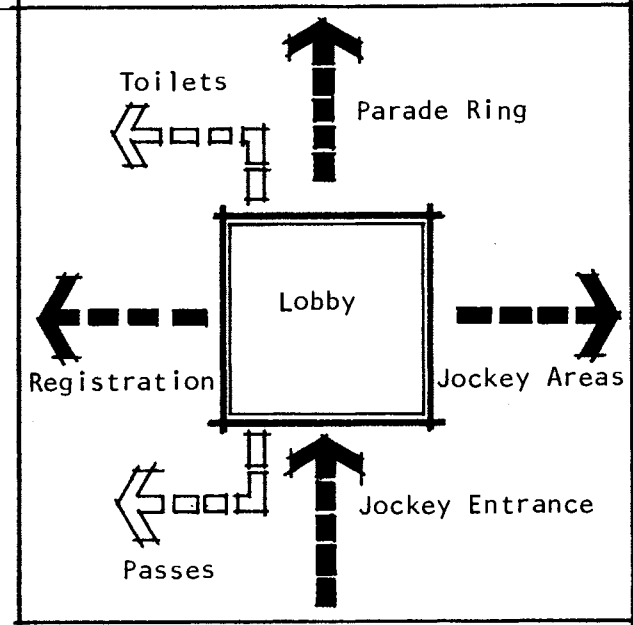
Jockey Entrance
Registration
Parade Ring
Jockey Areas

CEILING: Hard
FLOOR: Hard
WALLS: Hard

SECURITY: High security for control of entry
H.V.A.C.: Central Paddock system
LIGHTING: General lighting and possibly skylights
ELECTRICAL: Duplex as required
PLUMBING: None required

Couches
Chairs
Tables

Gay, bright, and festive atmosphere



CODE	P4	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

700 S.F.

All jockeys will come into the lobby area and wait until a predetermined time when all the jockeys riding that day will register at the same time a couple of hours before the first race and they will remain until after last race.

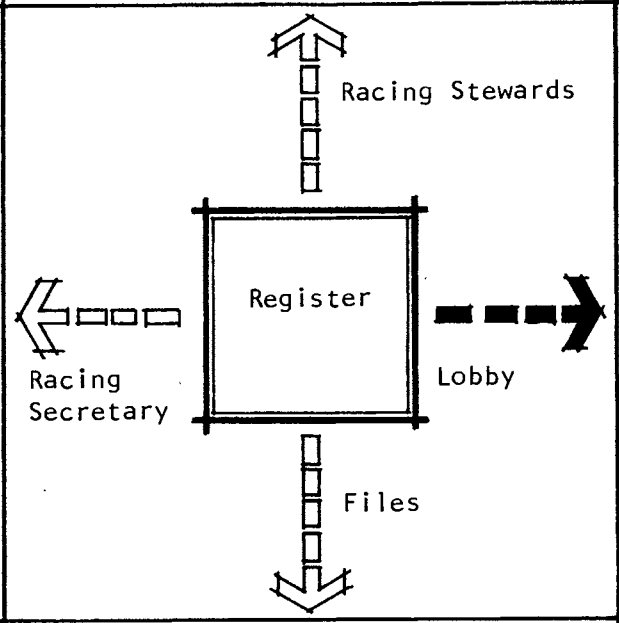
2 - 4 Stewards

Office functions
Entry Lobby
Jockey Functions

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Minimum
H.V.A.C.: Central Paddock system
LIGHTING: General lighting with down lighting over registration counter
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: None required

Registration counter
2 desks and chairs
File cabinets for the storage of records



<p>CODE</p>	<p>P5</p>	<p>AREA</p>	<p>240 S.F.</p>	
<p>FUNCTION</p>			<p>Office area for the Racing Stewards which watch over the race and the Paddock functions.</p>	
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>4</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>Registration</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Acoustical tile FLOOR: Carpet WALLS: Hard</p>	
<p>MECHANICAL</p>			<p>SECURITY: None required H.V.A.C.: Central Paddock system LIGHTING: General lighting ELECTRICAL: Telephone jacks and duplex as required PLUMBING: None required</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>4 Desks and chairs File cabinets</p>	
<p>CONCEPT</p>			<p>Very simple space for limited use by the Racing Officials</p>	

CODE P6 **AREA**

240 S.F.

FUNCTION

Control of all activities in the Paddock House.

HT. 8'-0" **OCC.**

1 Racing Secretary, 1 Receptionist

SPATIAL RELATIONSHIPS

Registration Area

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

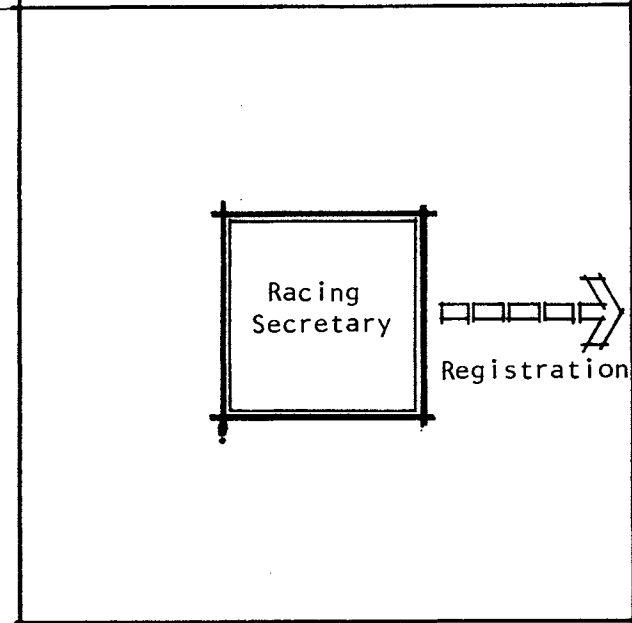
MECHANICAL

SECURITY: None required
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: None required

FURNITURE-EQUIPMENT

2 desks
 2 chairs
 2 side chairs
 Cradanza and files

CONCEPT



CODE	P7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

120 S.F.

Storage of all of the files for the jockeys, trainers, and horses.

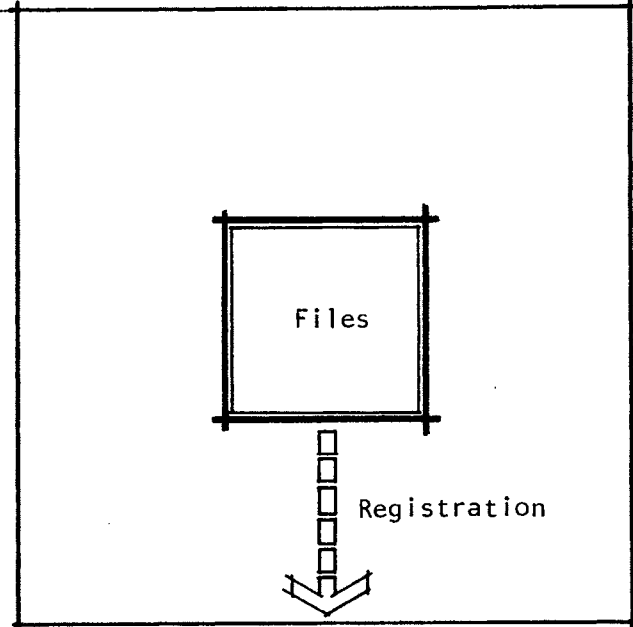
1

Registration area

CEILING: Acoustical tile
FLOOR: Carpet or tile
WALLS: Hard

SECURITY: Minimum security required
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

File cabinets



CODE	P8	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

170 S.F.

Security and issuance of passes for access to the Paddock House and Parade Ring.

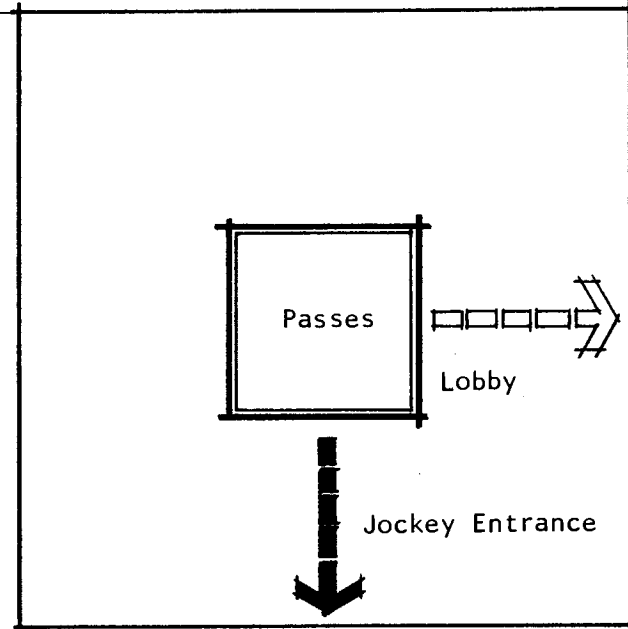
1

Lobby
Paddock House Entry

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard with one wall of glass for visual control of entrance.

SECURITY: This is the high security point for the control of people.
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Telephone jack and duplex as required
PLUMBING: None required

Desk and chair
Files



CODE	P9	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F. (100 S.F. each)

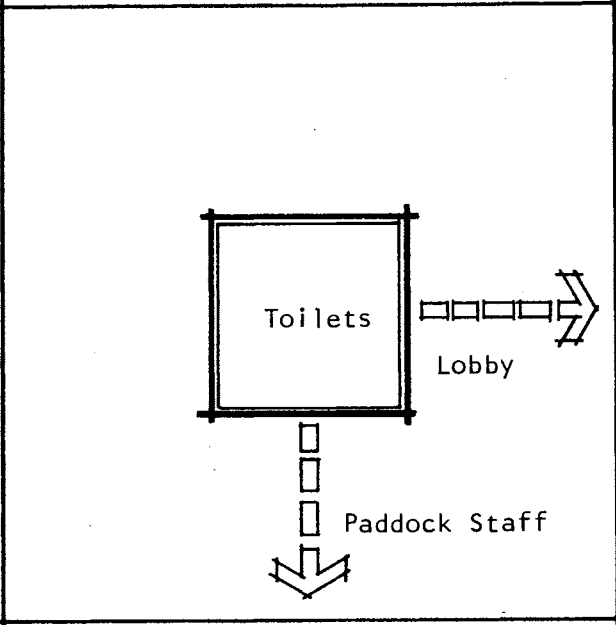
To serve those persons waiting in the lobby area and the staff.

Lobby
Staff Offices

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central Paddock system with a minimum of 4 air changes per hour
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Plumbing for basic toilet fixtures

1 sink in each room
1 toilet in each room
Electric hand dryer in each



Jockey Locker Room

CODE	P10	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1600 S.F.

Changing of silks inbetween races, showers, and relaxation area between races.

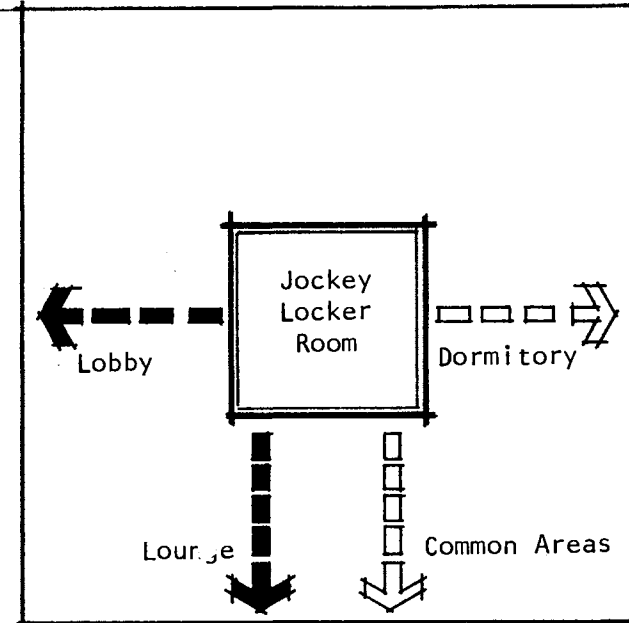
50 maximum

Lobby
Dorm
Lounge
Common Facilities

CEILING: Acoustical tile
FLOOR: Carpet, tile in shower and toilet area
WALLS: Hard, possible tile in bathing area

SECURITY: Controlled access to jockeys only
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Duplex as required plus outlets for hand dryers
PLUMBING: for basic toilet facility and showers

50 lockers attached to the wall
Wood benches
6 Showers
2 toilets
2 urinals
3 sinks



Jockette Locker Room

CODE	P11	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

300 S.F.

Changing of silks inbetween races, showers, and relaxation area between races.

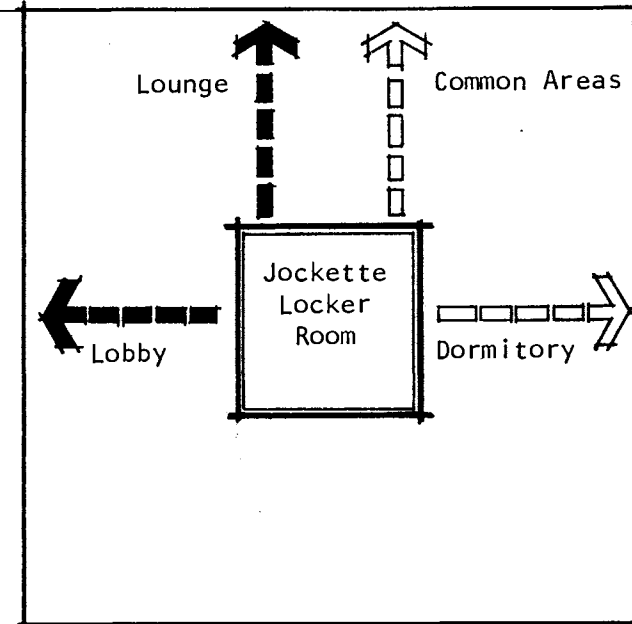
10 maximum

Lobby
Lounge
Dorm
Common Facilities

CEILING: Acoustical tile
FLOOR: Carpet and tile in the toilet and shower area
WALLS: Hard, possibly tile in the bathing area

SECURITY: Controlled access to jockettes only
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Duplex as required plus outlets for electric hand dryers
PLUMBING: for basic toilet and shower space

10 lockers attached to the wall
Wood benches
2 toilets
2 sinks
2 showers



<p>CODE</p>	<p>P12</p>	<p>AREA</p>	<p>645 S.F.</p>	
<p>FUNCTION</p>			<p>Laundry - Wash, dry, and iron jockeys silks Massage - Physical relaxation area and rub downs Sauna - General relaxation</p>	
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>12 maximum</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>Jockey Locker Room Jockette Locker Room</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Acoustical tile, redwood in the sauna FLOOR: Hard surface, tile in massage and redwood in the sauna WALLS: Hard and redwood in the sauna</p>	
<p>MECHANICAL</p>			<p>SECURITY: None required. H.V.A.C.: Central Paddock system with exhaust air from the laundry LIGHTING: General lighting and possible heat lamps in the massage area ELECTRICAL: Duplex as required PLUMBING: Washing machines, and sinks</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>5 Washers, 5 Dryers, 2 Steam presses 2 massage tables and a small storage area Sauna heating coil and redwood benches</p>	
<p>CONCEPT</p>				

CODE	P13	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

225 S.F.

Place to lay down before the race to relax and sleep if the jockey is not racing for a few races. This area would be divided into 2 equal spaces for the jockeys and the jockettes.

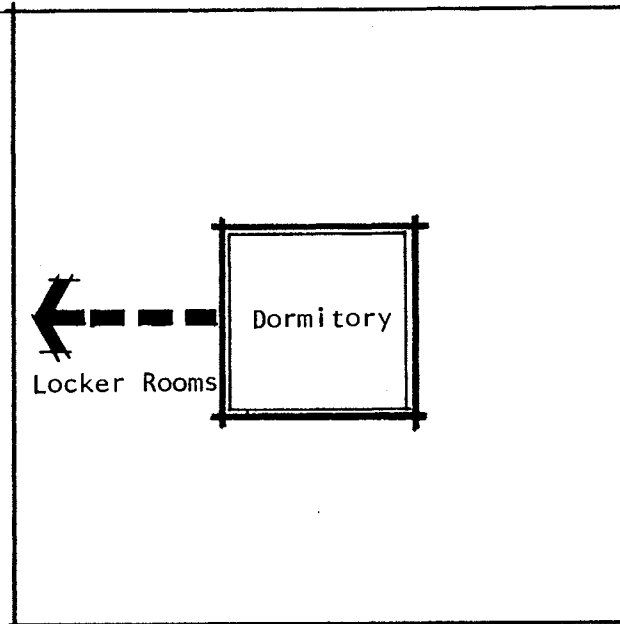
4 in each sleeping area

Jockey Locker Room
Jockette Locker Room

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Minimum security with control through the locker rooms
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

4 beds in either a bunk arrangement of in a berth type arrangement



CODE	P14	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1100 S.F.

Between race relaxation and mental preparation area for jockey isolation and acts as a quiet area where the jockeys may not communicate with each other.

50 maximum

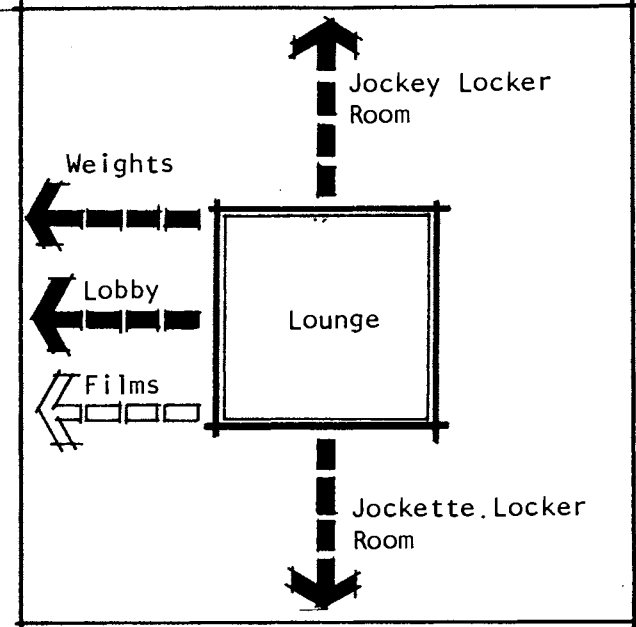
Jockey Locker Room
 Jockette Locker Room
 Lobby
 Weight Room

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Control from lobby area
H.V.A.C.: Central Paddock system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required
PLUMBING: None required with the exception of a water bubbler

Couches
 T.V.
 Chairs
 Tables and games

Isolation area. Quiet and peaceful surroundings with a relaxing atmosphere.



CODE	P15	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

225 S.F.

Viewing of films before a race to familiarize a jockey with the style of his competitors and the horse he is riding if the horse is new to him.

2 -4

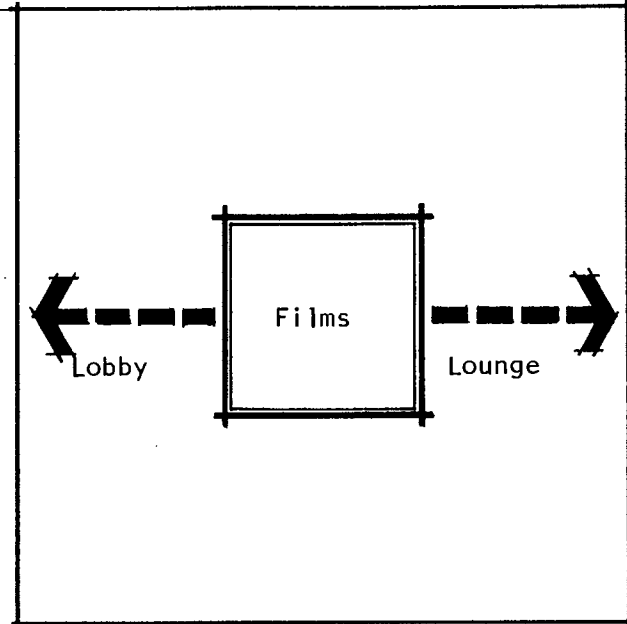
Lobby
Lounge

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Soft absorbing material

SECURITY: Minimum with access control through the lobby
H.V.A.C.: Central Paddock system
LIGHTING: General lights on a dimmer switch
ELECTRICAL: Hook-up for a projector or two
PLUMBING: None required

Projector area
Screen
Fixed theater seating

Use dark materials for the absorption of light



CODE	P16	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

This is the area that the jockeys are weighed in before the race and if they are below weight or their horse is handicapped, weights are given to the jockey to add to his hat.

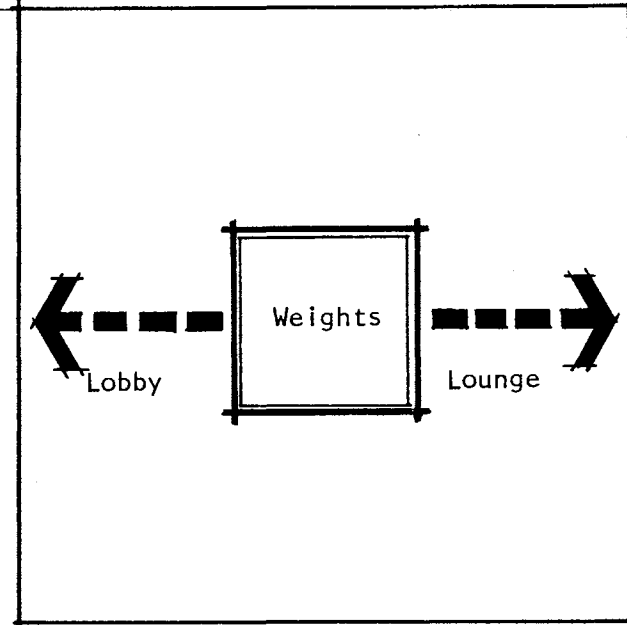
14 maximum, 2 staff and 12 jockeys

Lounge
Lobby

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Minimum
H.V.A.C.: Central Paddock system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

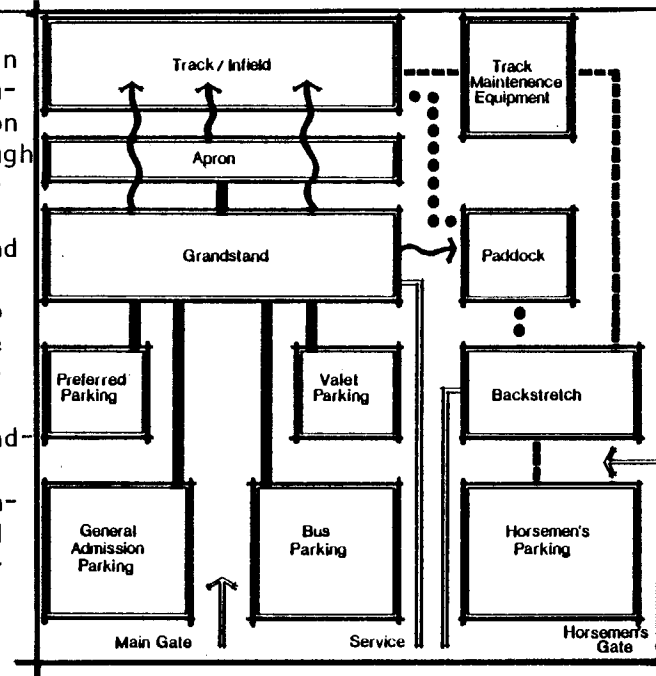
Scale
Waiting area
Desk and chair



In contemporary racing facilities, the primary objective of the Grandstand is to provide a clear and unobstructed view of the race track and related functions while keeping the space temperature controlled and keeping the sun and glare from the front of the facility. This brings about the importance of the site orientation to the facility. To allow these unobstructed views, large expanses of glass will be incorporated. This brings to light the key issues of maintenance cost, accident prevention, and energy efficiency in the design of the Grandstand super structure.

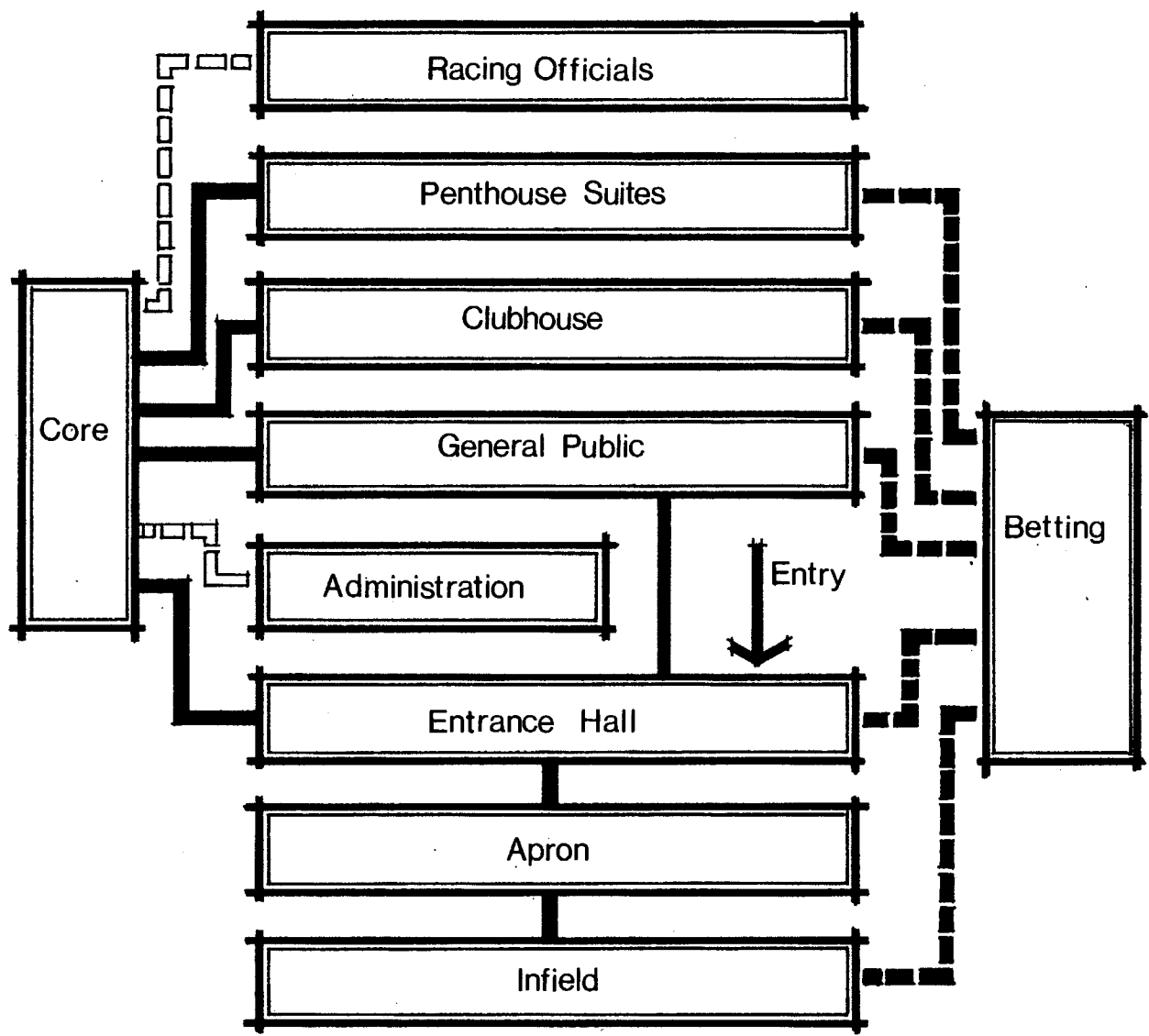
Fenestration must also be considered to open up the facilities interior as well as to provide the users with directed views to the site from the public areas. The fenestration should also be designed to allow natural ventilation whenever possible, since the majority of the race meets will be in the evenings and at night. This ventilation should naturally cool the major public spaces when the weather permits and also allow the facility to be flushed out at night to reduce energy costs. Also, whenever possible, natural lighting and ventilation should be incorporated in the form of skylights, windows, and atriums.

The Grandstand is the primary public facility in the complex, and should have a strong visual image from Highway 51 and from Keystone Lake. Upon leaving their cars, the public is brought through the turnstiles into the Entrance Hall. Once inside the Entrance Hall, the public is provided with all concessions, bars, betting windows, and circulation core to all facilities within the Grandstand. The race goers can then disperse to their seating areas or go to other areas in the Grandstand for the viewing of races and activities in the Paddock area, or just experience crowd interaction. Also located within the Grandstand is the Administrative Offices, Support Facilities, Racing Officials, and the brain center for the Para-mutuels. The Grandstand should be a strong visual structure portraying the nature of the sport and the proper image.

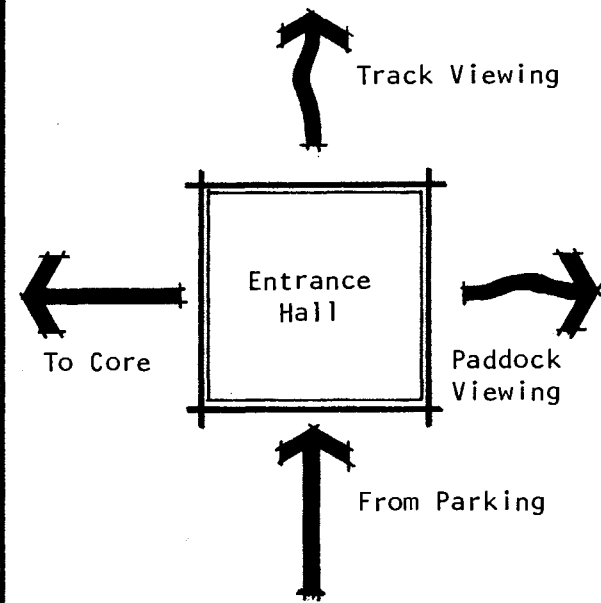


Space Requirements

Entrance Hall	93000 S.F.
General Public	99200 S.F.
Clubhouse	130775 S.F.
Penthouse Suites	47300 S.F.
Administration	6215 S.F.
Support Facilities	4620 S.F.
Para-mutuel Betting	6720 S.F.
Racing Officials	3000 S.F.
<hr/>	
Total	390830 S.F.

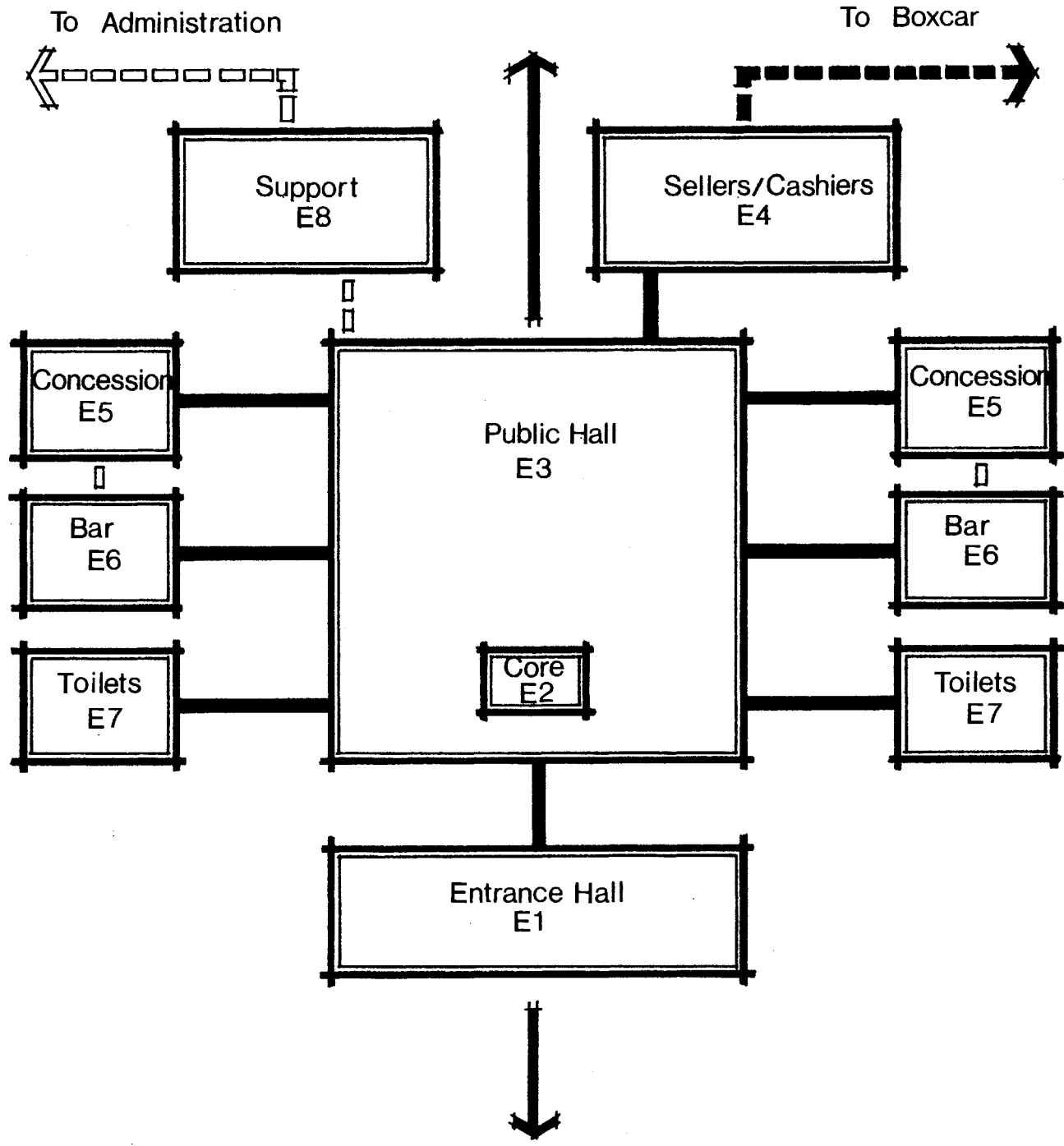


The Entrance Hall serves all patrons as an orientation and dispersion area to all the facilities within the Grandstand. The excitement begins to build as the race goer passes the turnstiles and enters the Grand Hall. The crowd grows, chance meetings occur, sounds intensify, smells blossom, and there is action and excitement in the air. Within the Entrance Hall, people are provided with food services, access to the central circulation core, and t.v. monitors bringing the action of the Paddock and Track up close. The race goer is now ready to experience and participate in the ultimate racing experience, a race meet at Cherokee Downs.



Space Requirements

E1	Entance Hall	8750 S.F.
E2	Circulation Core	4500 S.F. per floor
E3	Public Grand Hall	49500 S.F.
E4	Public Hall Sellers and Cashiers	4500 S.F.
E5	Concessions	4000 S.F.
E6	Public Hall Bars	2000 S.F.
E7	Public Toilets	4500 S.F.
E8	Support Facilities	15350 S.F.
Total		93000 S.F.



Entrance Hall

CODE	E1	AREA
FUNCTION		
HT.	Spacious	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

8750 S.F.

Public entrance to the Grandstand facilities through the turnstiles after the purchase of admission tickets. The Entrance Hall will also act as an orientation and dispersion area for the Grandstand, Apron, and Infield.

Staff - 12 cashiers
Public - 400 maximum

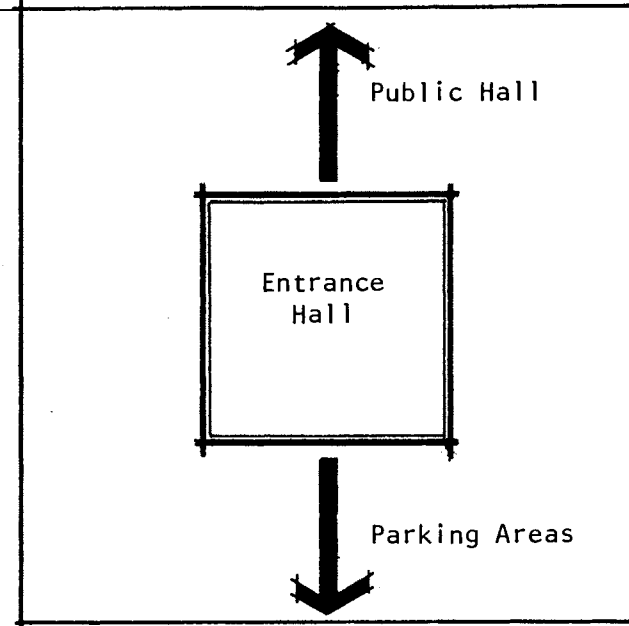
General Public Hall
Apron
Vertical Circulation
Parking

CEILING: Exposed systems
FLOOR: Durable surface, possibly tile
WALLS: Hard

SECURITY: Control point for access to the Grandstand facility
H.V.A.C.: Central system
LIGHTING: Down lighting
ELECTRICAL: Duplex as required, telephone jacks
PLUMBING: Hose bibs for use in washing the floors

12 enclosed cashiers booths with seating and turnstiles
Display board of that days events and upcoming events
Public telephones
Information keosks

Possibly connect all the public halls together with and atrium to tie the various levels together. The entrance should be very exciting and set the mood for the excitement of a race meet. Staring gate entrance gates.



Circulation Core

CODE	E2	AREA
FUNCTION		
HT.	None	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4500 S.F. per level

Provide vertical access to all facilities, services, and functions.

Move as many people as fast as possible

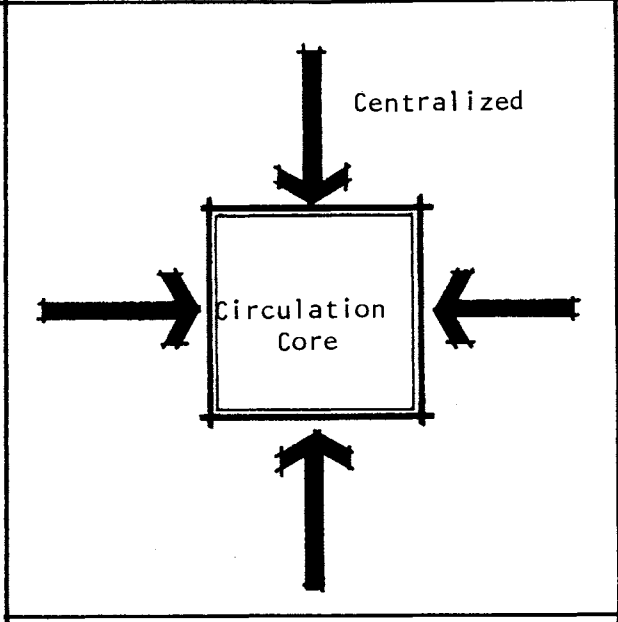
Connect all levels of the Grandstand

CEILING: None
FLOOR: None
WALLS: None

SECURITY: Control point at each level from core
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Electrical capabilities to service elevators and escalators
PLUMBING: Fire protection system

4 elevators
 2 escalators
 Fire stairs
 Monumental grand stairs

The circulation core should be active and show movement. Possibly a formal grand staircase connecting the Entrance Hall to the other levels.



CODE	E3	AREA
FUNCTION		
HT.	Spacious	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

49500 S.F.

The Public Hall will provide access to all public facilities within the Grandstand as well as access to the Apron and Infield. The Public Hall acts as a dispersion area to lead the people to their respected areas.

8000 maximum

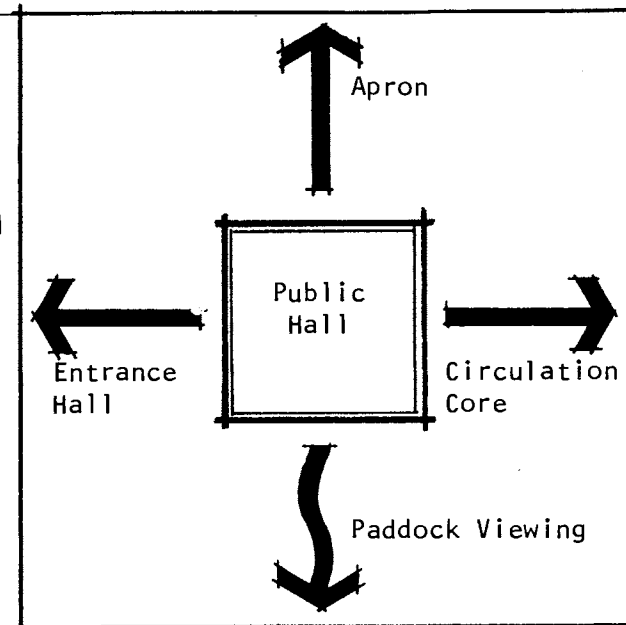
Entrance Hall
Apron
Core to all other levels
Visual access to track

CEILING: Exposed systems
FLOOR: Durable surface, possibly tile
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: Down lights on cables, accent lights, emergency lighting
ELECTRICAL: Duplex as required and telephone jacks for public phones
PLUMBING: Fire sprinklers, stand pipe, and hose bibs as required for maintenance

Display areas
Concession kiosks
Public telephones
Tote boards
T.V. monitors

Exciting, lively space with plenty of action, people, noise, and light.
Possible greenhouse concept to connect the public circulation areas.



Sellers/Cashiers

CODE	E4	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4500 S.F.

Placing and cashing of bets by those individuals using the public space and the Apron area. Connected to the central brain center of the Parimutuel system by highly secure stairs.

45 sellers
15 cashiers
2 - 4 supervisors

Public Hall
Entrance Hall
Apron
Bleacher Seating

CEILING: Acoustical tile

FLOOR: Hard or soft surface

WALLS: Wall facing the Public Hall will contain windows for the sellers/cashiers.

SECURITY: Very high security with secure stairs to the Boxcar

H.V.A.C.: Central system

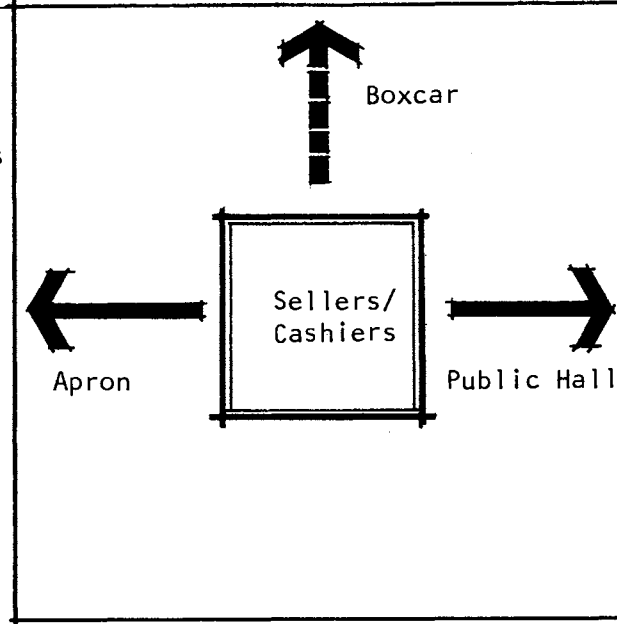
LIGHTING: Florescent over circulation and down lighting over window counter

ELECTRICAL: Provide 220 v. electrical duplex at each window for the Totalator equip.

PLUMBING: For small washroom units and fire sprinklers

60 window booth modules
60 stools for the sellers and cashiers
Shelving and cabinets along back wall for general storage
2 sinks and 2 toilets on each side near stairs

200 S.F. paper storage
160 S.F. toilets
10'-0" minimum in front of windows for lines and clear aisle in back of windows



CODE	E5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4000 S.F.

General fast food preparation and selling to those individuals in the Entrance Hall, Public Hall, and Apron. Very high turn out over extended periods of time.

10 staff

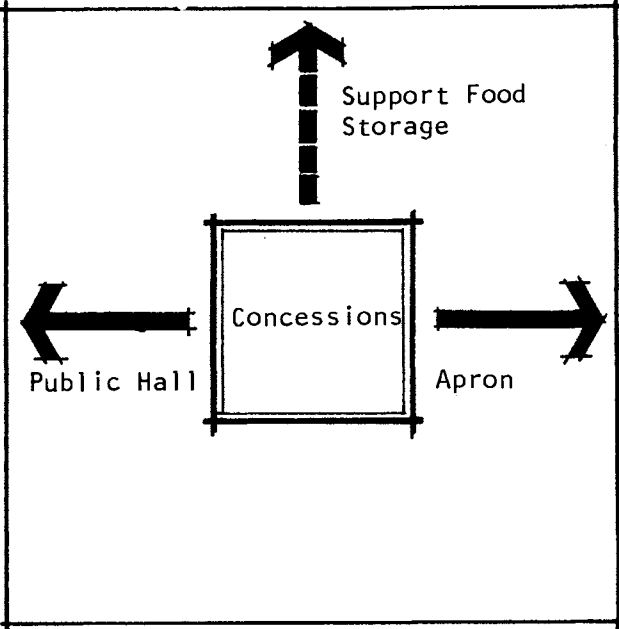
Public Hall
Apron
Entrance Hall

CEILING: Acoustical tile
FLOOR: Hard surface covered with rubber mats
WALLS: Service counter facing Public Hall

SECURITY: Control of access to staff area
H.V.A.C.: Central system with exhaust air and kitchen vent
LIGHTING: Down lights over key areas
ELECTRICAL: Duplex as required with some 220 v.
PLUMBING: Hot and cold water, floor drains, fire suppression system

Drink dispenser
Ice machine
Deep fryer
Grill
Refrigerator and dry food storage

Basically a snackstand with an inviting appearance to encourage the spending of money.



CODE	E6	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

2000 S.F.

Mixing and selling of drinks over the counter. This is a very necessary function in order for the facility to be successful.

5 staff

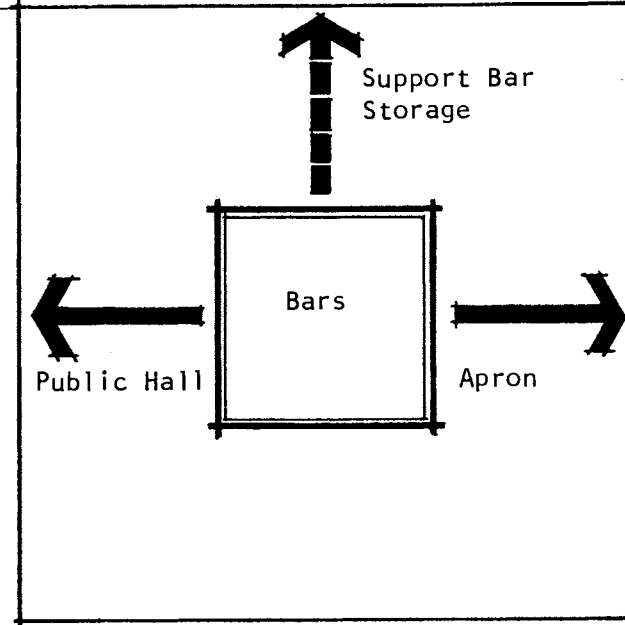
Public Hall
Apron

CEILING: Acoustical tile
FLOOR: Hard surface covered with rubber mats
WALLS: Service counter to Public Hall side.

SECURITY: Medium security for the protection of money and merchandise
H.V.A.C.: Central system
LIGHTING: Down lights over counter
ELECTRICAL: Duplex as required
PLUMBING: Hot and cold water and floor drains

Bottle racks and glass washers
 Refrigerator and ice maker
 Beer taps
 400 S.F. of storage shelves

Alcohol is th largest concession at race meets and their is a very high turnover over extended periods of time. Must have liquor by the drink.



CODE	E7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4500 S.F.

To serve the Entrance Hall, Public Hall, and Apron with toilet facilities.

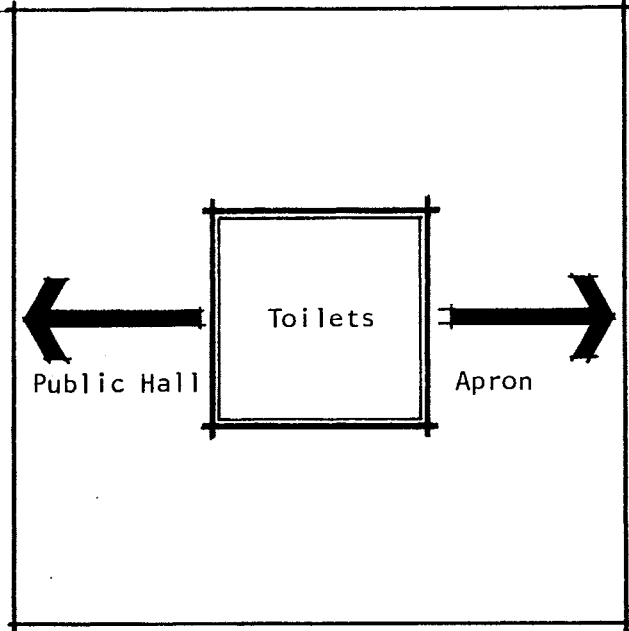
Varies

Entrance Hall
Public Hall
Apron

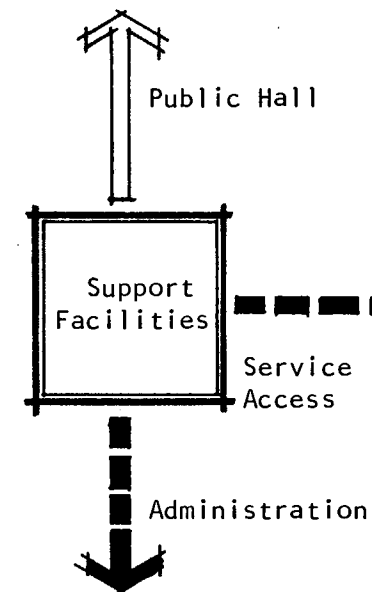
CEILING: Acoustical tile
FLOOR: Tile or similar low maintenance surface
WALLS: Hard surface

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: Down lighting
ELECTRICAL: Duplex as required and outlets for electric hand dryers
PLUMBING: For toilets, sinks, and floor drains

As many stalls and sinks as possible

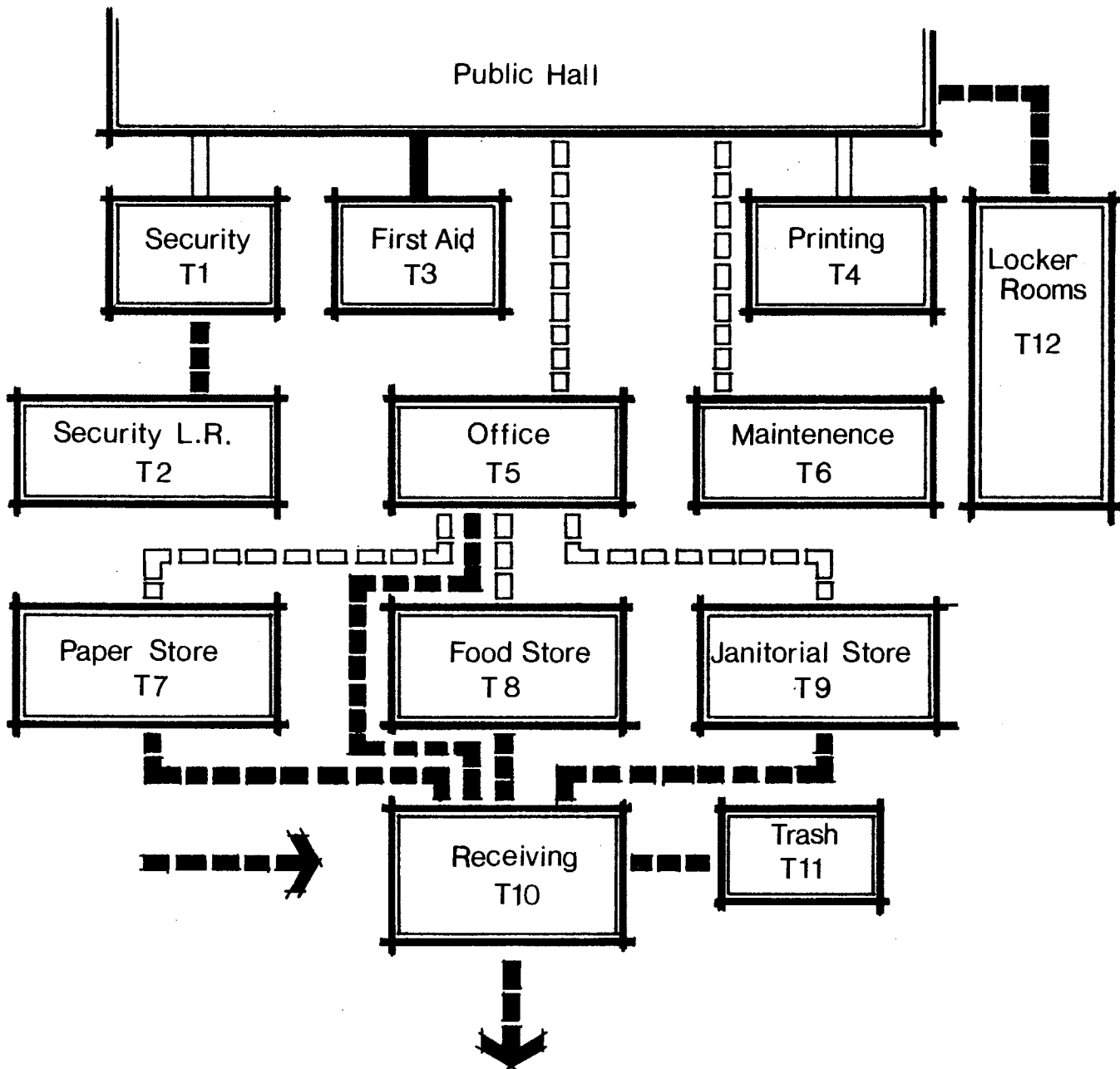


The support facilities are almost totally staff related functions with the exception of the First Aid Office and the Security Office. The support facilities should be located on the grade level for delivery access while the public functions should open on to the Public Hall. The Security Office not only serves the public, but is also the entry point for the entire Para-mutuel system and the Administration level. Beyond these public service areas, the support facilities control all incoming goods and personnel, the long term storage of these goods, and all outgoing products and personnel. One other function is the facility Printing Department for the publication of all track written material. Therefore, the support facilities are a key to the administration and operations of the entire facility. The Support area should be connected to all levels by a service elevator.



Space Requirements

T1	Security Office	300 S.F.
T2	Security Personnel and Para-mutuel Staff Locker Room	400 S.F.
T3	First Aid Office	250 S.F.
T4	Printing Department	600 S.F.
T5	Supply Offices	200 S.F.
T6	Central Maintenance Office	150 S.F.
T7	Office Supply Storage	200 S.F.
T8	Food Supply Storage	400 S.F.
T9	Janitorial Supplies	200 S.F.
T10	Receiving Area and Dock	400 S.F.
T11	Trash Pick-up Area	200 S.F.
T12	Staff Locker Rooms	1320 S.F.
	Total	<hr/> 4620 S.F.



CODE	T1	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

300 S.F.

Headquarters for all security personnel in the facility with a link to the public. Also acts as the main entrance to the Para-Mutuel network.

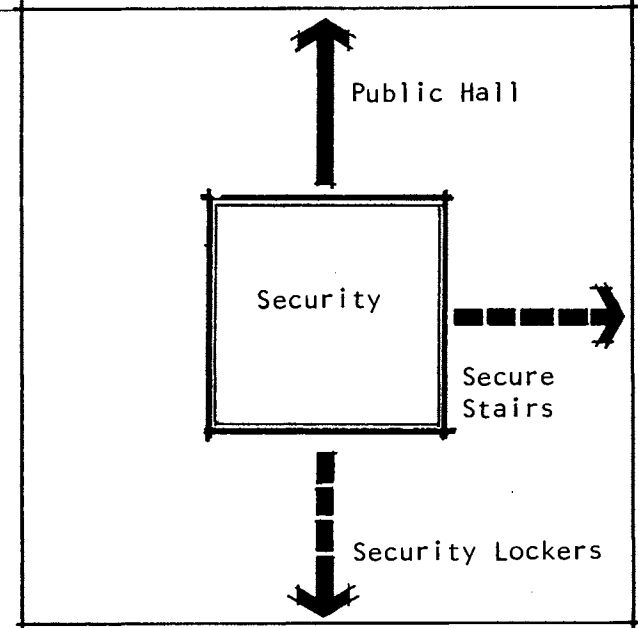
1 Receptionist
1 Chief of security

Public Hall
Security Locker Room
Secure stairs

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: This is the security center
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required and a security control board
PLUMBING: None required

Small waiting area with a couch, chairs, and a table
Receptionist counter and chair
Security chief desk, chair, and files



Security Locker Room

CODE	T2	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

400 S.F.

Locker Room for the changing of uniforms for all security personnel and Para-Mutuel staff.

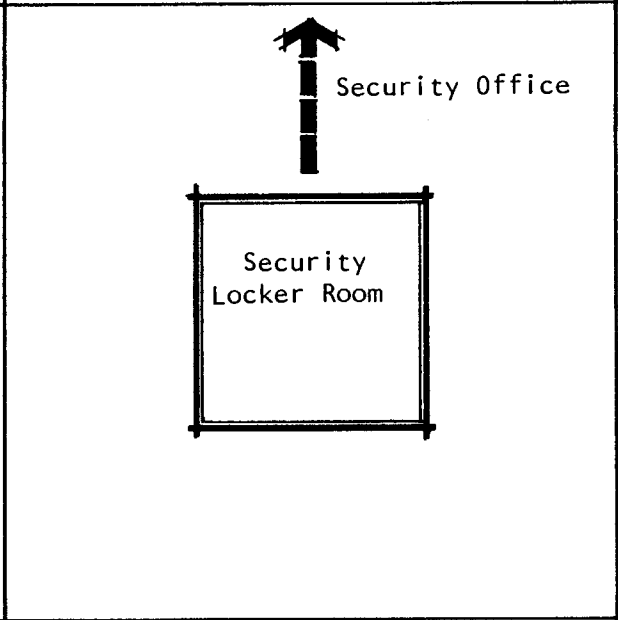
30 in each locker room

Security Office
Secure stairs

CEILING: Acoustical tile
FLOOR: Carpet and tile
WALLS: Hard

SECURITY: Lockable lockers
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Plumbing for toilets and showers

60 lockers mounted on the walls
2 toilets in each
2 sinks in each
wooden benches



CODE	T3	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

250 S.F.

Provide first aid services to the general public and the staff.

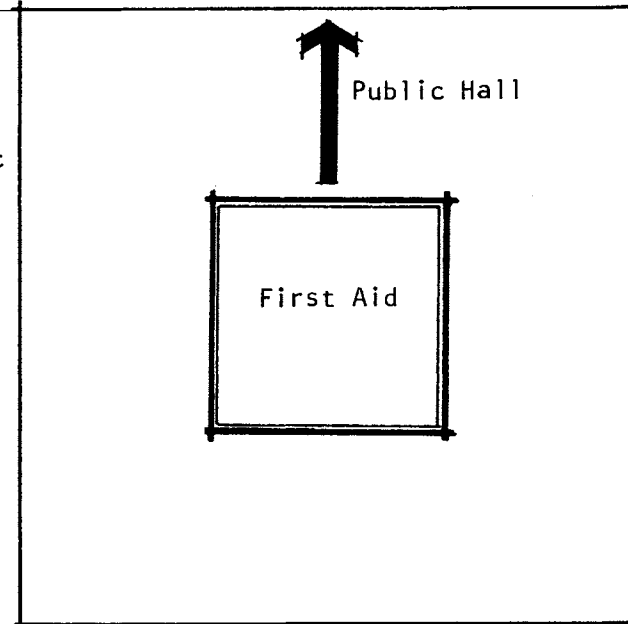
1 Receptionist
1 Doctor

Public Hall

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required
PLUMBING: Small scrub sink

Waiting area with chairs
Receptionist desk and chair
Small office with examination table
Counter area with storage above and below-



CODE T4 AREA

600 S.F.

FUNCTION

Printing of all programs used at the track and publications to be sent to various horse associations. Also publication of the track magazine.

HT. 10'-0" OCC.

5 - 10

SPATIAL RELATIONSHIPS

Public Hall

ARCHITECTURAL

CEILING: Acoustical tile
 FLOOR: Hard
 WALLS: Hard

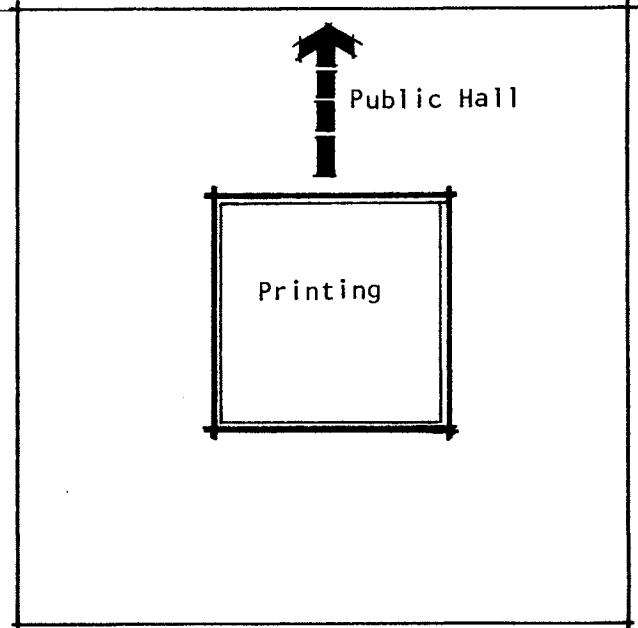
MECHANICAL

SECURITY: Access control
 H.V.A.C.: Central system
 LIGHTING: General and task lighting
 ELECTRICAL: Duplex as required
 PLUMBING: Washing sink

FURNITURE-EQUIPMENT

Presses, copy machines, paper storage, and other items necessary for the publication of materials.

CONCEPT



Support Office

CODE	T5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Processing of all orders, requests, and incoming materials.

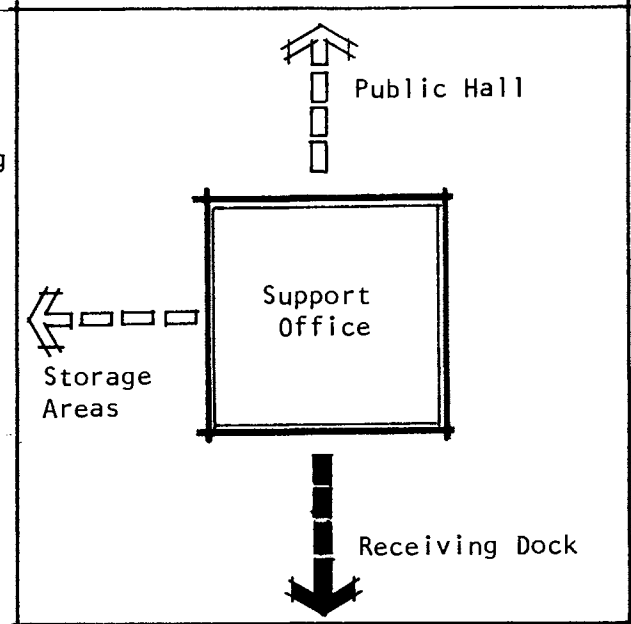
1 or 2

All storage areas
Receiving Dock
Public Hall

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Medium security of files
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Executive desk
Arm chair
2 side chairs
Files



CODE T6 AREA

150 S.F.

FUNCTION

Office of the head maintenance engineer who oversees all of the maintenance of the facility

HT. 8'-0" OCC.

1

SPATIAL RELATIONSHIPS

Public Hall

ARCHITECTURAL

CEILING: Acoustical tile
 FLOOR: Carpet
 WALLS: Hard

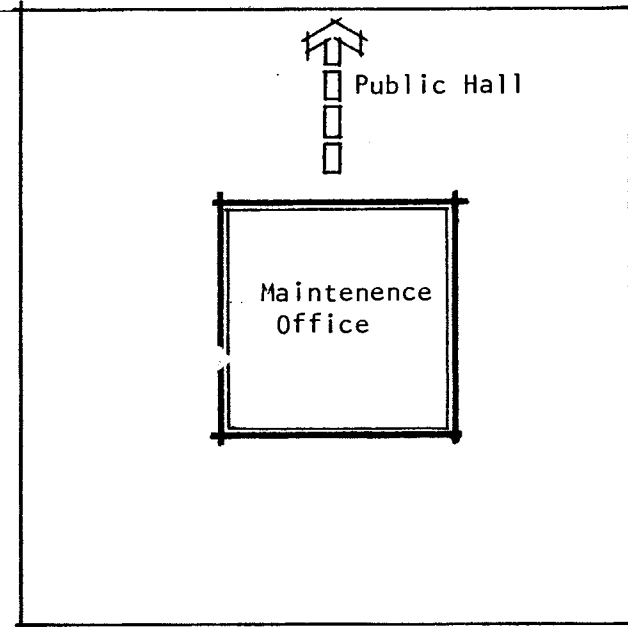
MECHANICAL

SECURITY: None required
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: None required

FURNITURE-EQUIPMENT

Desk and chair
 Files
 Chalkboard

CONCEPT



Paper Storage

CODE	T7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Storage room for all of the paper used at the facility including the paper used for the printing of wagering tickets.

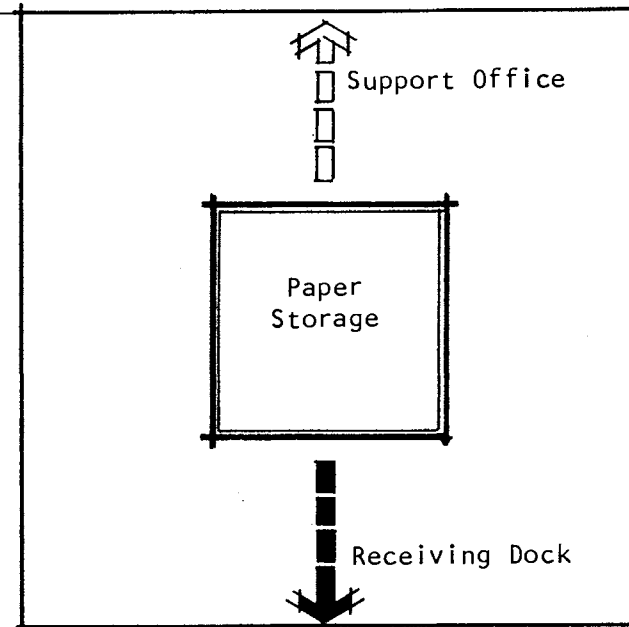
None

Office
Receiving Dock

CEILING: Open
FLOOR: Hard
WALLS: Hard

SECURITY: Lockable door
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Storage shalves for the storage of paper products.



CODE	T8	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

400 S.F.

Storage of all food, both dry and refrigerated, and also the storage of all liquor.

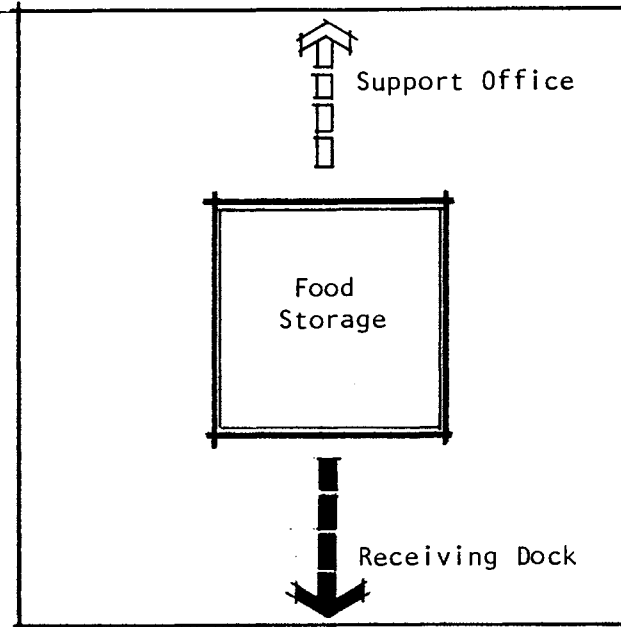
None

Office
Receiving Dock

CEILING: Open
FLOOR: Hard
WALLS: Hard

SECURITY: Lockable door.
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Storage shelves for the dry foods and liquor.
Refrigerator



Janitorial Supplies

CODE 	T9	AREA 	200 S.F.	
FUNCTION 		Storage of all janitorial supplies and clean-up supplies.		
HT. 	8'-0"	OCC. 	None	
SPATIAL RELATIONSHIPS 		Office Receiving Dock		
ARCHITECTURAL 		CEILING: Acoustical tile FLOOR: Hard WALLS: Hard		
MECHANICAL 		SECURITY: None required. H.V.A.C.: Central system LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: None required		
FURNITURE-EQUIPMENT 		Shelving for the storage of goods.		
CONCEPT 				

Receiving Dock

CODE	T10	AREA
FUNCTION		
HT.	12'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

400 S.F.

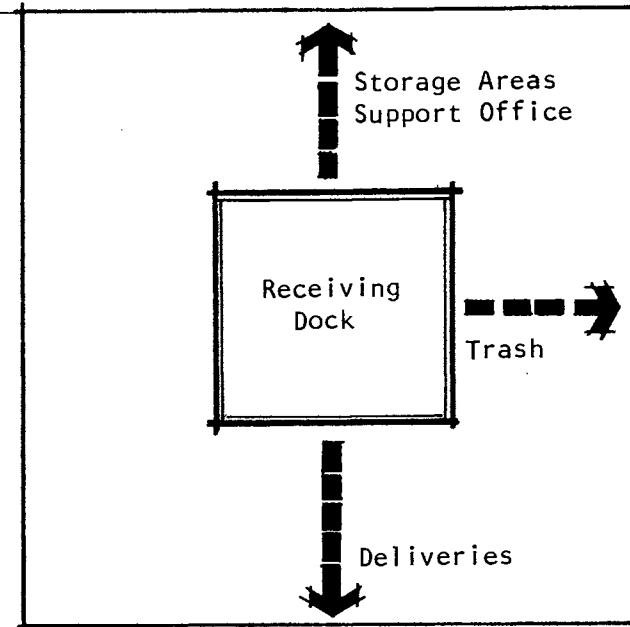
Receiving of all goods coming into the Grandstand.

None

All storage areas
Offices
Trash area

CEILING: Exposed
FLOOR: Hard
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required



CODE	T11	AREA
FUNCTION		
HT.	Open	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Collecting of all trash in the facility for disposal by a garbage truck.

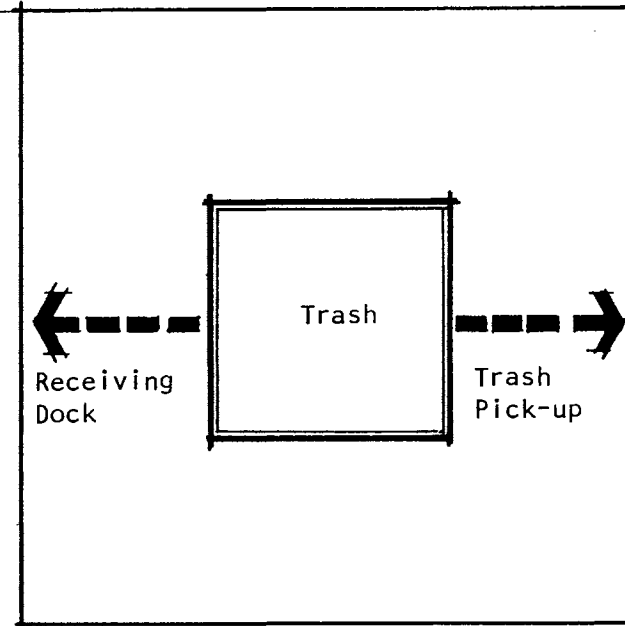
None

Receiving Dock
Truck access

CEILING: None
FLOOR: Concrete
WALLS: Hard

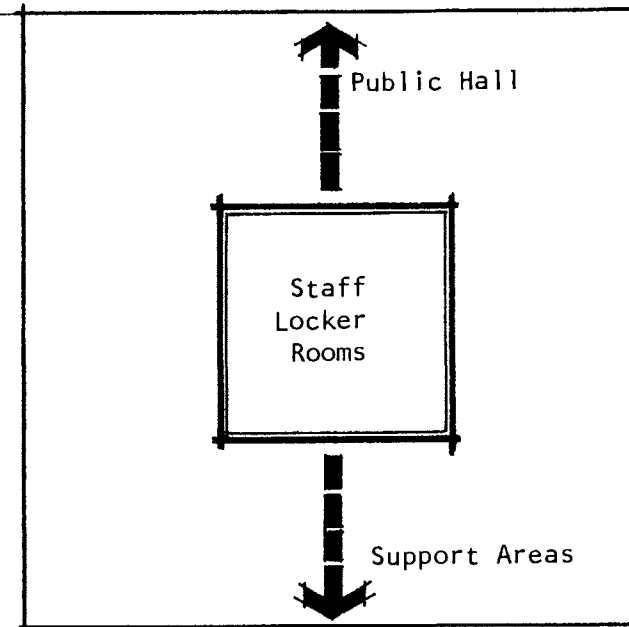
SECURITY: None required
H.V.A.C.: None required
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Hose bib

Dumpsters
Trash chute from the upper levels

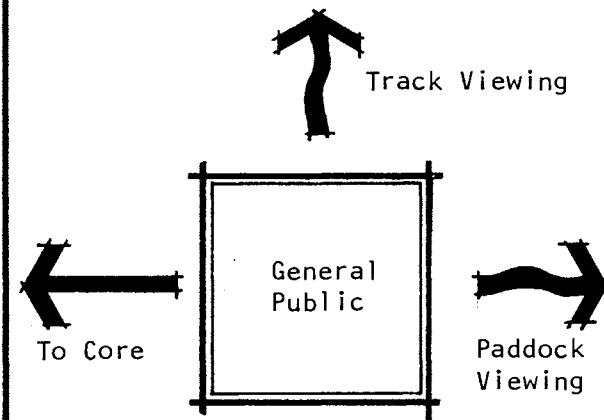


Staff Locker Room

CODE	T12	AREA	1320 S.F.
FUNCTION	Locker and shower facilities for all employees of the facility		
HT.	8' - 10'	OCC.	100
SPATIAL RELATIONSHIPS	Public Hall Employee Parking		
ARCHITECTURAL	CEILING: Acoustical tile FLOOR: Carpet and tile WALLS: Hard		
MECHANICAL	SECURITY: Key controlled access H.V.A.C.: Central system plus exhaust air LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: For toilets and showers		
FURNITURE-EQUIPMENT	100 lockers Wood benches 8 shower stalls 6 toilets 2 urinals 8 sinks		
CONCEPT			

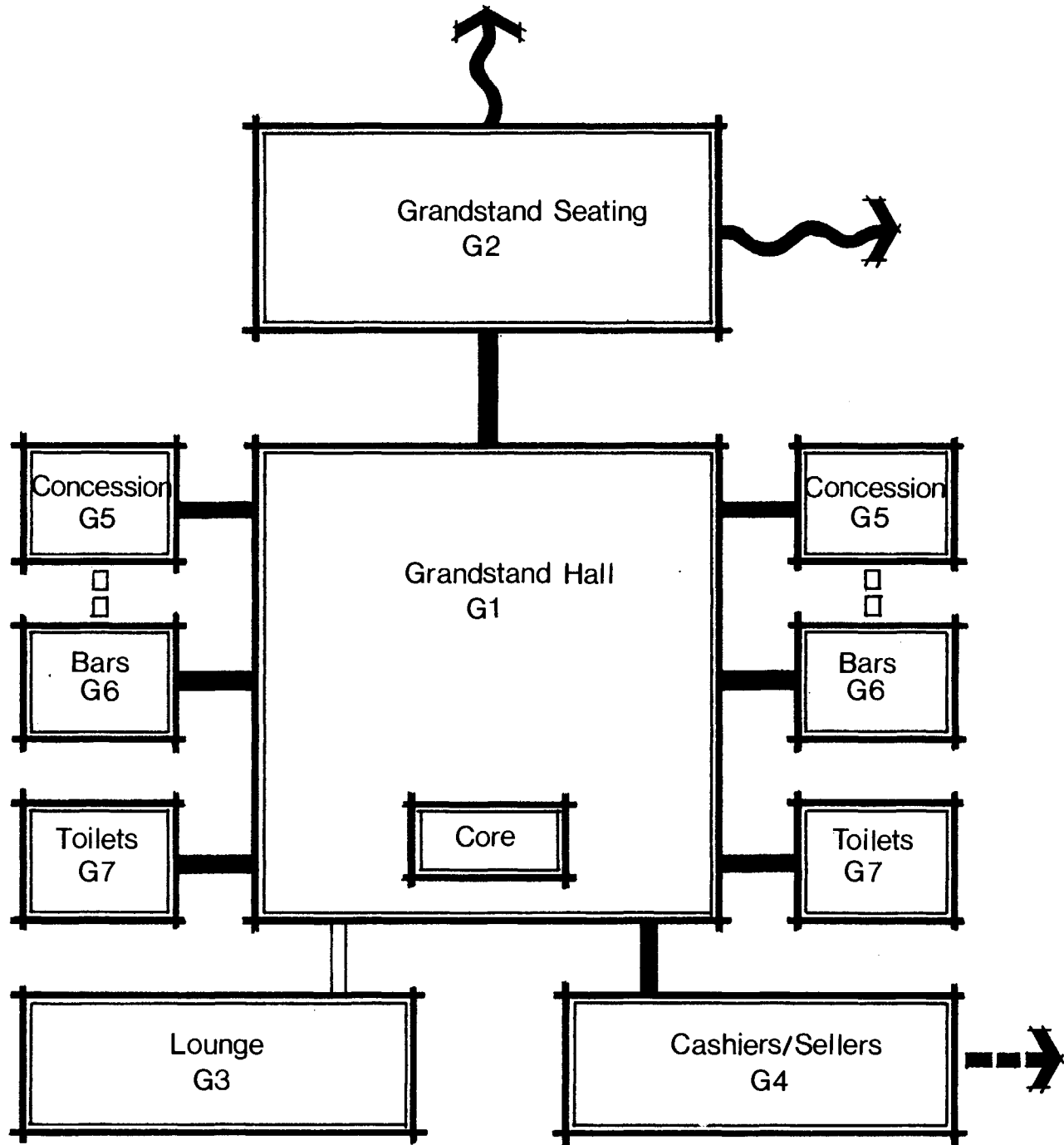


The General Public level or area is open to all patrons and contains the Reserved Seating areas. This area will seat the bulk of the spectators and should functionally and emotionally return the spectator to a bygone era in horse racing while providing the comforts of today. This bygone era was a period of active crowd involvement large crowds, fancy dress, interaction, money, noise, and the spirit, created by many individuals cheering with, and against each other. The seating arrangement is in rows of stepped individual stadium seats sloping from the Apron bleachers to the General Public Hall which contains all the amenities for the general public use. The General Public Hall should be an exciting space with possible direct visual, audio, and physical link to both the Entrance Hall and the Clubhouse Hall so that all of the circulation areas are directly related (possible greenhouse concept).



Space Requirements

G1	General Public Hall	40000 S.F.
G2	General Public Seating	40000 S.F.
G3	Public Lounge	2250 S.F.
G4	General Public Sellers and Cashiers	4500 S.F.
G5	Concessions	4000 S.F.
G6	General Public Bars	1200 S.F.
G7	Public Toilets	3000 S.F.
Total		94950 S.F.



General Hall

CODE	G1	AREA	40000 S.F.	
FUNCTION		To provide access to all the General Public areas and the main circulation core. The Hall will serve as a gathering and distribution area for the General Public facilities.		
HT.	Spacious	OCC.	8000 maximum	
SPATIAL RELATIONSHIPS		All General Public facilities Main circulation core		
ARCHITECTURAL		CEILING: Exposed systems FLOOR: Durable, low maintenance flooring, possibly tile. WALLS: Hard		
MECHANICAL		SECURITY: None required H.V.A.C.: Central system LIGHTING: Down lights on cables, accent lights, emergency lighting ELECTRICAL: Duplex as required and public telephone jacks PLUMBING: Fire sprinklers, stand pipe, and hose bibs as required for maintenance		
FURNITURE-EQUIPMENT		Display areas Concession kiosks Public telephones Tote boards T.V. monitors		
CONCEPT		Exciting, lively space with plenty of action, noise, people, and light. Possible greenhouse concept to connect all public circulation levels		

General Public Seating

CODE	G2	AREA
FUNCTION		
HT.	Spacious	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

40000 S.F.

General Public seating is sold on a reserved seat basis and is in the lowest location in the Grandstand. Individual seats are similar to stadium seating.

8000 seated

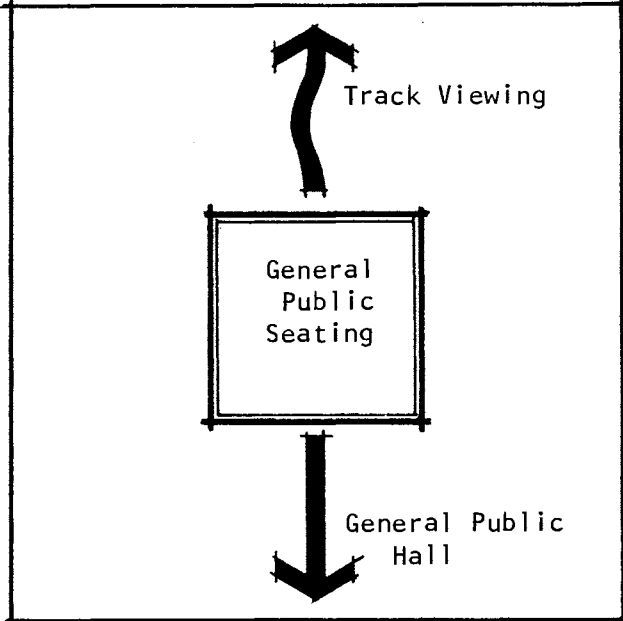
General Public Hall
Visual sight lines to racing surfaces

- CEILING:** Exposed systems
- FLOOR:** Durable, low maintenance surface
- WALLS:** Hard

- SECURITY:** Control of assigned seats
- H.V.A.C.:** Central system
- LIGHTING:** Down lights on cables, emergency lighting
- ELECTRICAL:** Duplex as required
- PLUMBING:** Fire sprinklers and hose bibs for maintenance

8000 sports seats with folding seat and rigid back and arms
Handrails

Simple, but nice.
Crowd noise, people, action, and excitement



CODE	G3	AREA
FUNCTION		
HT.	10'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

2250 S.F.

Relaxation area to get away from the large crowds for viewing of events on closed circuit T.V. monitors. The lounge could also function as a space for small group gatherings.

150

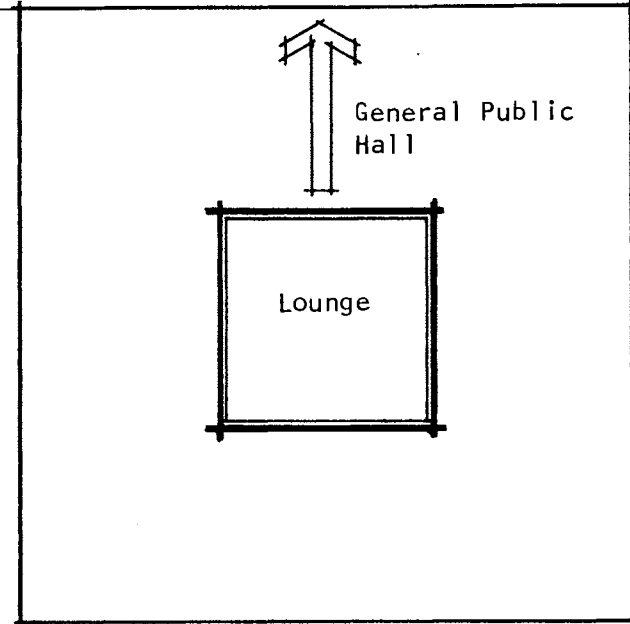
General Public Hall

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required and T.V. cablehook-up
PLUMBING: Fire sprinklers and hot and cold water to the bar

50 chairs
 8 couches
 Bar equipment
 Tables

Relaxing atmosphere with subtle colors.
 Space for small group gatherings to get away from the crowds to view the activities on closed circuit T.V.



CODE	G4	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4500 S.F.

Placing and cashing of bets by those individuals using the General Public spaces. The windows will be connected to the Boxcar by a secure set of stairs.

45 sellers
15 cashiers
2 - 4 supervisors

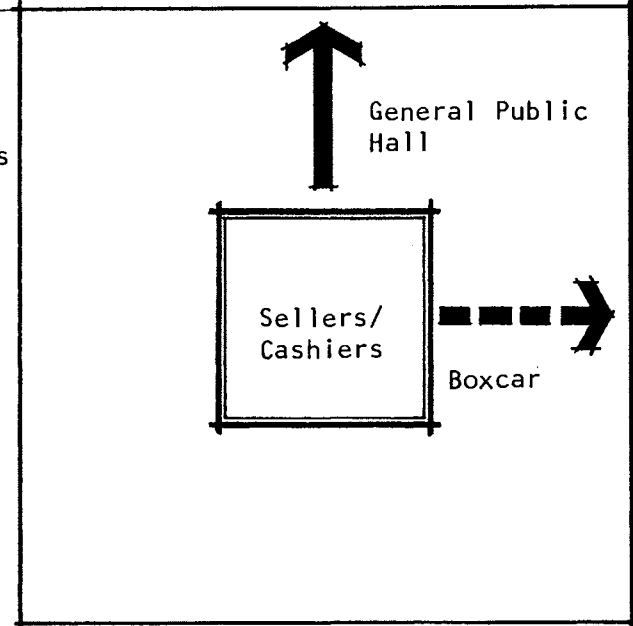
General Public Hall

CEILING: Acoustical tile
FLOOR: Hard or soft surface
WALLS: Wall facing the General Public Hall will contain wagering windows.

SECURITY: Very high security with secure stairs to the Boxcar.
H.V.A.C.: Central system
LIGHTING: Florescent over circulation and down lighting over window counter
ELECTRICAL: Provide 220 v. duplex at each window for the Totalator equipment.
PLUMBING: Small washroom units and fire sprinklers

60 window booth modules
60 stools for the sellers and cashiers
Shelving and cabinets along back wall for general storage
2 sinks and 2 toilets on each side near stairs

200 S.F. paper storage
160 S.F. toilets
10'-0" minimum in front of windows for lines and a clear aisle in back of windows



CODE	G5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4000 S.F.

General fast food preparation and selling to those individuals in the General Public facilities. Very high turnouts over extended periods of time.

10 staff

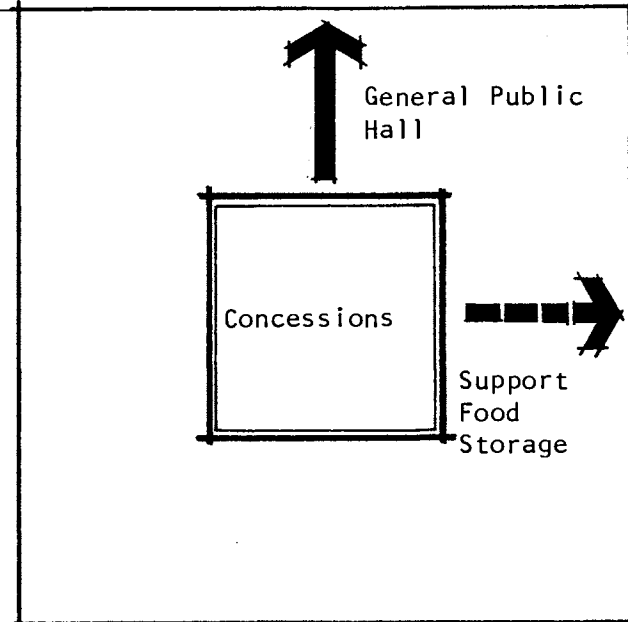
General Public Hall

CEILING: Acoustical tile
FLOOR: Hard surface covered with rubber mats
WALLS: Service counter facing General Public Hall

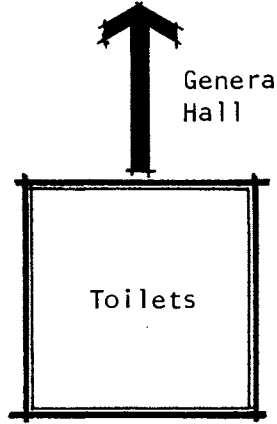
SECURITY: Control of access to staff area
H.V.A.C.: Central system with exhaust air and kitchen vent
LIGHTING: Down lights over key areas
ELECTRICAL: Duplex as required with some 220 v.
PLUMBING: Hot and cold water, floor drains, fire supressions system

Drink dispenser
 Ice machine
 Deep fryer
 Grill
 Refrigerator and dry food storage

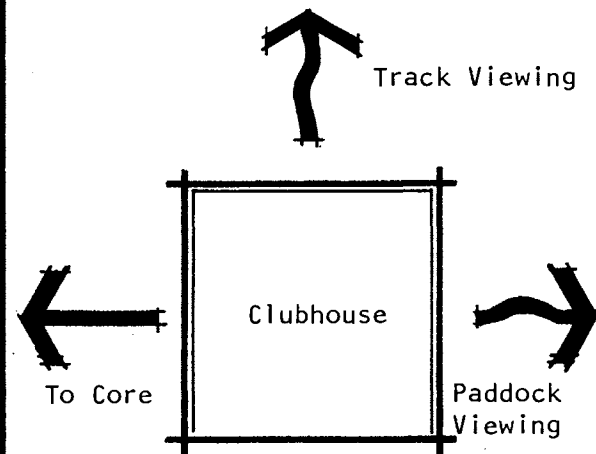
Basically a snackstand with an inviting appearence to encourage the spending of money.



<p>CODE</p>	<p>G6</p>	<p>AREA</p>	<p>1200 S.F.</p>	
<p>FUNCTION</p>			<p>Mixing and selling of drinks over the counter. This is very necessary in order for the facility to be successful.</p>	
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>4 staff</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>General Public Hall</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Acoustical tile FLOOR: Hard surface covered with rubber mats WALLS: Service counter facing the Hall</p>	
<p>MECHANICAL</p>			<p>SECURITY: Medium security for the protection of money and merchandise H.V.A.C.: Central system LIGHTING: Down lights over counter ELECTRICAL: Duplex as required PLUMBING: Hot and cold water and floor drains</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>Bottle racks Refrigerator and ice maker Beer taps 300 S.F. of storage shelves</p>	
<p>CONCEPT</p>			<p>Alcohol is the largest concession at race meets and there is a very high turnover over extended periods of time. Must have liquor by the drink.</p>	

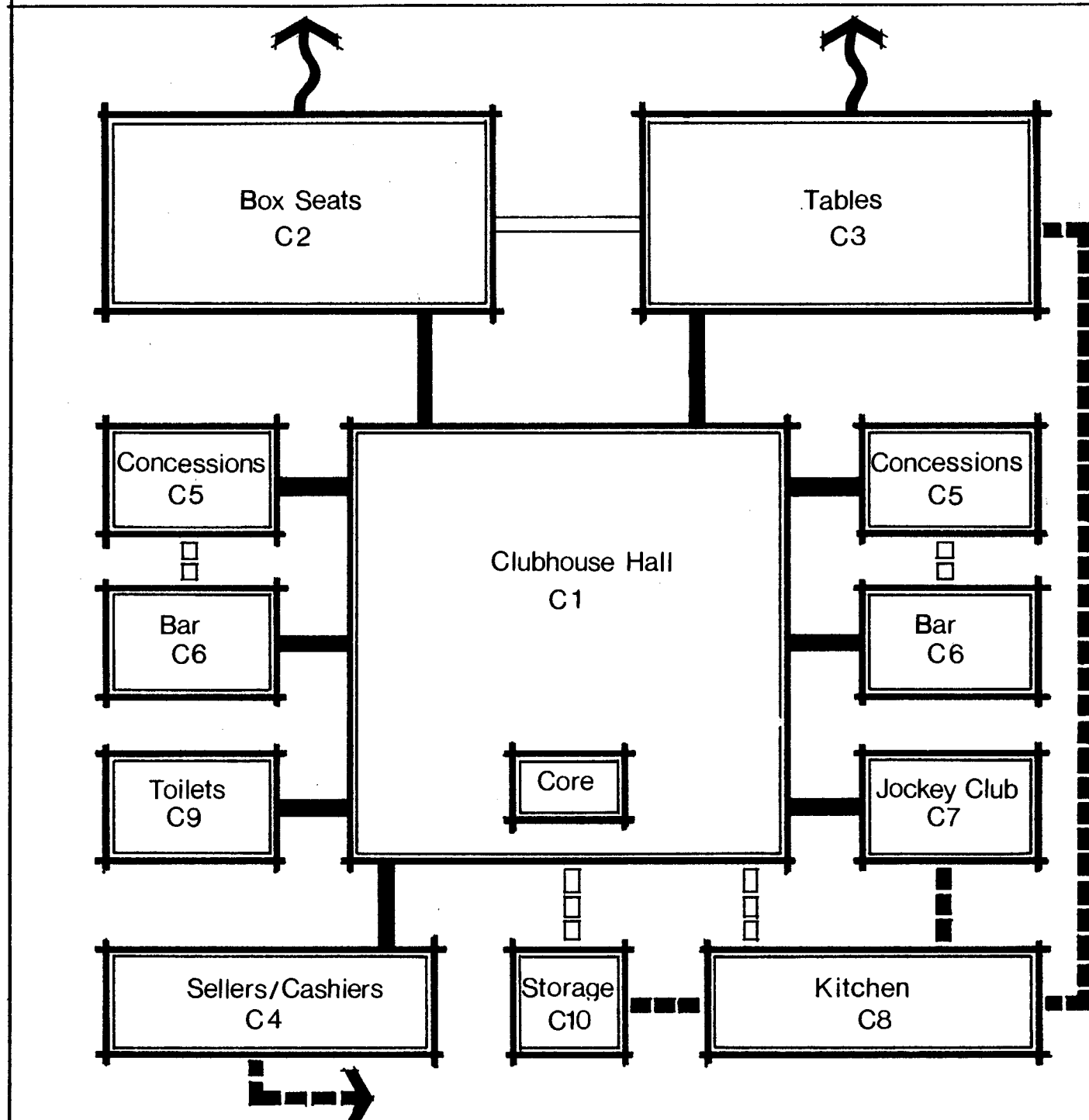
<p>CODE</p>	<p>G7</p>	<p>AREA</p>	<p>3000 S.F.</p>	
<p>FUNCTION</p>			<p>To serve the General Public areas with toilet facilities.</p>	
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>Varies</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>General Public Hall</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Acoustical tile FLOOR: Tile or similar low maintenance material WALLS: Hard surface</p>	
<p>MECHANICAL</p>			<p>SECURITY: None required H.V.A.C.: Central system LIGHTING: Down lighting ELECTRICAL: Duplex as required and outlets for electric hand dryers PLUMBING: Hot and cold water and floor drains</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>As many stalls and sinks as possible</p>	
<p>CONCEPT</p>				

The Clubhouse level or area is open to the general public at a slightly higher gate fee than the General Reserved Seating area. The public uses this area as an affordable way to gain psychological prestige and a higher quality of facilities and services. The benefits include a more spacious seating arrangement, food service in the table area, exclusive access to the Jockey Club, and an overall more dignified appearance. The seating arrangement is made up of Box Seats, made up of boxes of six seats, and Table Seating, for parties of 2-6 people. Therefore, the Clubhouse level is designed to give a higher quality and more dignified facilities to the general public at an affordable gate price. The Clubhouse Hall should also be connected to the other circulation areas and have an area for the viewing of activities in the Paddock area.



Space Requirements

C1	Clubhouse Hall	42900 S.F.
C2	Box Seats	45000 S.F.
C3	Table Seats	20000 S.F.
C4	Clubhouse Hall Sellers and Cashiers	3500 S.F.
C5	Concessions	3750 S.F.
C6	Clubhouse Bars	1125 S.F.
C7	Jockey Club Lounge	2000 S.F.
C8	Kitchen	7500 S.F.
C9	Public Toilets	3000 S.F.
C10	General Storage	2000 S.F.
Total		130775 S.F.



Clubhouse Hall

CODE	C1	AREA
FUNCTION		
HT.	Spacious	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

42900 S.F. includes circulation core

To provide access to all Clubhouse level facilities and the circulation core. Also acts as a gathering and dispersion space.

4000 maximum

Central function on the Clubhouse level
Circulation core
Visual access to the Track
Visual access to the Paddock

CEILING: Spacious with exposed systems

FLOOR: Long wearing, easy maintenance, colorful, possibly tile

WALLS: Hard, possibly with painted graphics

SECURITY: Minimum

H.V.A.C.: Central system

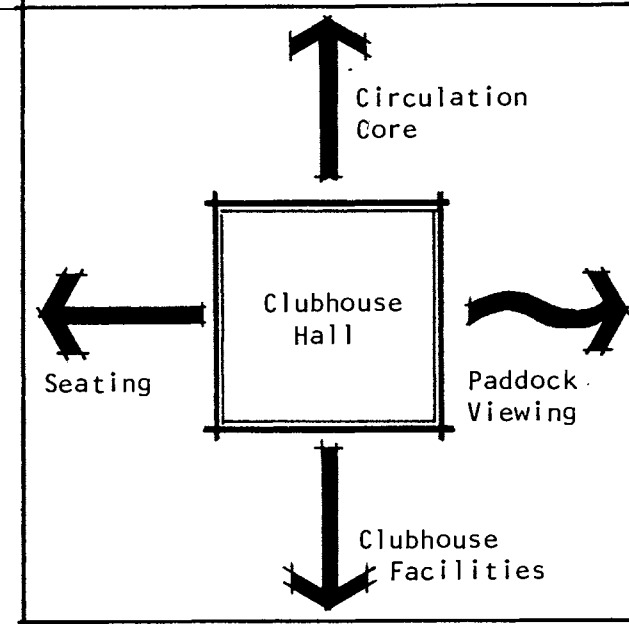
LIGHTING: Down lights on cables, accent lights, emergency lights

ELECTRICAL: Duplex as required and telephone jacks for public telephones

PLUMBING: Fire sprinklers, stand pipe, and hose bibs as required for maintenance

Display areas
Concessions kiosks
Public telephones
Tote boards
T.V. monitors

Exciting, lively space with plenty of action, people, noise, and light. Possible greenhouse concept to connect all the public circulation areas.



CODE	C2	AREA
FUNCTION		
HT.	High to allow sight lines	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

45000 S.F.

Box seats are a V.I.P. type of seating with a better view than the general public level. The individual boxes are limited to parties of six persons or less.

1500 persons seated plus areas for stand-ups

Clubhouse Hall
Table Seating
Visual access to the Track

CEILING: Exposed systems or a suspended ceiling system
FLOOR: Hard and easy to maintain
WALLS: Glass front wall and the others soft to absorb some sound

SECURITY: Control of assigned seats by ushers
H.V.A.C.: Central system
LIGHTING: Down lighting and step lighting
ELECTRICAL: Duplex as required
PLUMBING: Fire sprinklers and hose bibs as required for maintenance

1500 high quality theater seats
Hand rails for circulation edges

Plush area- give the the public the quality facilities that the higher gate fee implies.

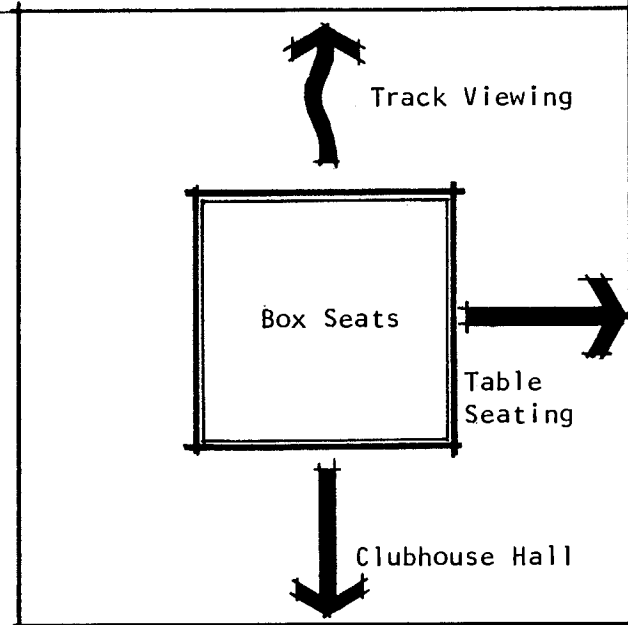


Table Seating

CODE	C3	AREA
FUNCTION		
HT.	High to allow sight lines	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

20000 S.F.

Table Seating is also a V.I.P. type of seating except that the patrons sit at tables of 2 or 6 persons and are served drinks and food by the track personnel.

800 Seated

Box Seats
Clubhouse Hall
Visual access to the Track
Kitchen

CEILING: Exposed systems or a suspended ceiling system

FLOOR: Hard and easy to maintain

WALLS: Glass front wall and soft materials on other walls to absorb some sound

SECURITY: Control of assigned seats by ushers

H.V.A.C.: Central system

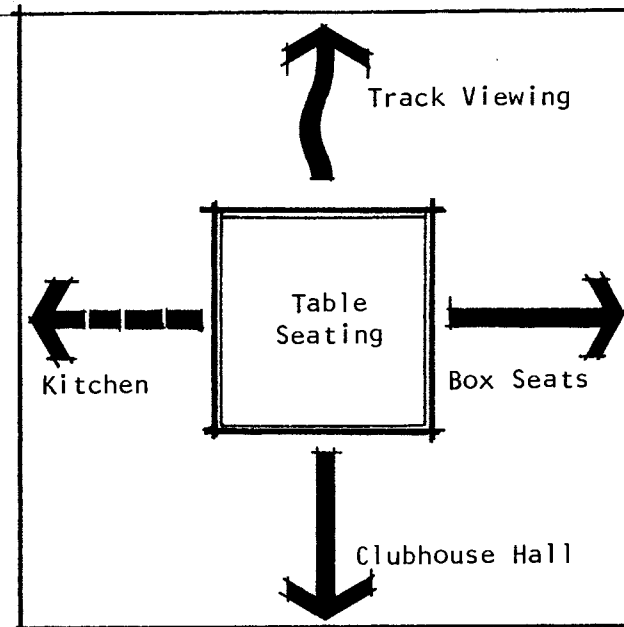
LIGHTING: Down lighting, step lighting, and table lighting

ELECTRICAL: Duplex as required

PLUMBING: Fire sprinklers and hose bibs as required by maintenance

135 tables for six or a combination of tables for two or six
800 + chairs
800 + table settings

Very plush, people want to be catered to and pay for it.
Relaxation, excitement, and luxury



CODE C4 **AREA**

3500 S.F.

FUNCTION

Placing and cashing of bets by those individuals using the clubhouse space. Connected to the brain center for the Para-mutuel system by high security stairs.

HT. 8'-0" **OCC.**

30 sellers
10 cashiers
2 - 4 supervisors

SPATIAL RELATIONSHIPS

Clubhouse Hall
Box Seats
Table Seats
Boxcar

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Hard or soft surface
WALLS: Wall facing the Clubhouse Hall will contain windows for the sellers/cashiers

MECHANICAL

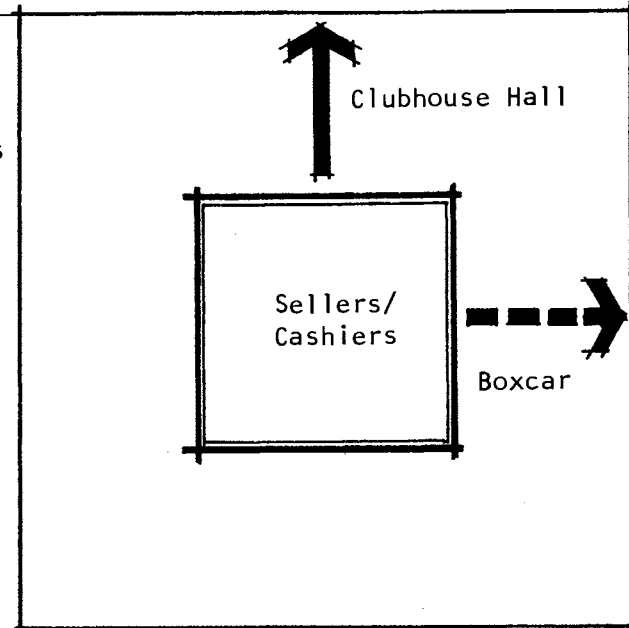
SECURITY: Very high security with secure stairs to the boxcar
H.V.A.C.: Central system
LIGHTING: Florescent over the circulation area and down lighting over the counter
ELECTRICAL: Provide 220 v. duplex at each window for the Totalator equipment
PLUMBING: For small washroom units and fire sprinklers

FURNITURE-EQUIPMENT

40 window booth modules
40 stools for the sellers and cashiers
Shelving and cabinets along the back wall for general storage
2 sinks and 2 toilets on each side near the stairs

CONCEPT

200 S.F. paper storage
160 S.F. Toilets
10'-0" minimum in front of the windows for lines and a clear aisle in back of windows



CODE	C5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

3750 S.F.

General fast food preparation and selling to those individuals on the Clubhouse level. Very high turnouts over extended periods of time.

8 staff

Clubhouse Hall
Support Food Storage

CEILING: Acoustical tile

FLOOR: Hard low maintenance surface covered with rubber mats.

WALLS: Service counter facing the Clubhouse Hall.

SECURITY: Control of access to the staff area

H.V.A.C.: Central system with exhaust air and kitchen vent.

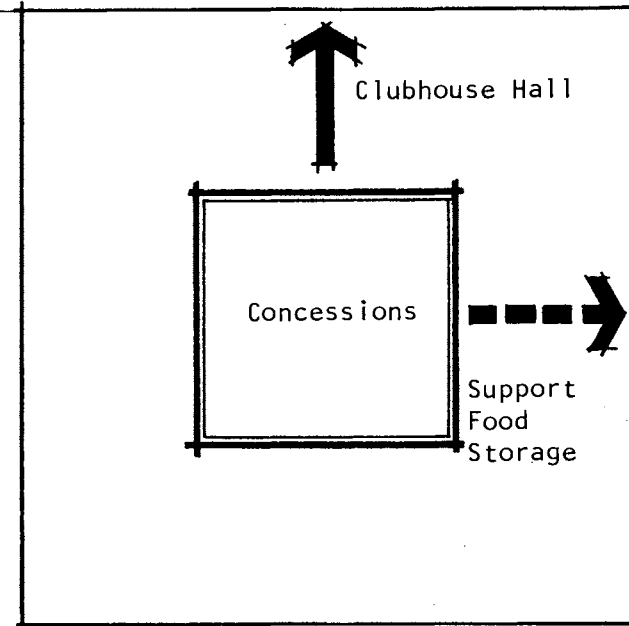
LIGHTING: Down lights ove key areas

ELECTRICAL: Duplex as required with some 220 v.

PLUMBING: Hot and cold water, floor drains, fire suppression system

Drink dispenser
Ice machine
Deep fryer
Grill
Refrigerator and dry food storage

Basically a snackstand with an inviting appearance to encourage spending of money.
900 S.F. storage



CODE	C6	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1125 S.F.

Mixing and selling of drinks over the counter. This is very necessary in order for the facility to be a success. Liquor is a very big part in the activities of a race meet.

4 staff

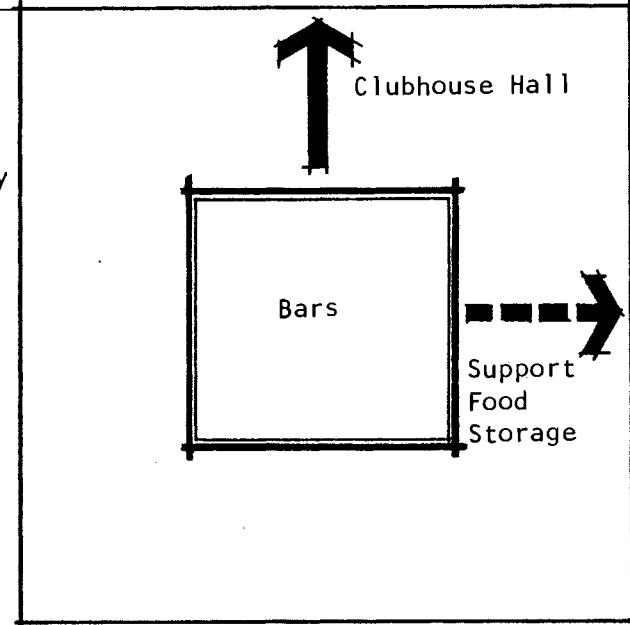
Clubhouse Hall
Support Food Storage

CEILING: Acoustical tile
FLOOR: Hard surface covered with rubber mats
WALLS: Service counter facing the Clubhouse Hall

SECURITY: Medium security for the protection of money and merchandise
H.V.A.C.: Central system
LIGHTING: Down lights over counter
ELECTRICAL: Duplex as required
PLUMBING: Hot and cold water, floor drains

Bottle racks
Refrigerator and ice machine
Beer taps
300 S.F. of storage shelves

Alcohol is the largest money producing concession at a racing facility and their is a very high turnover for extended periods of time. Must have liquor by the drink.



CODE	C7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

7500 S.F.

Preparation and distribution of all food to the Table Seating area and some distribution to the Penthouse level.

15 - 20 staff

Table Seating
Support Food Storage
Service elevator

CEILING: Hard

FLOOR: Hard surface with rubber mats in work areas

WALLS: Hard with splash boards above counters

SECURITY: Control access to track personnel only

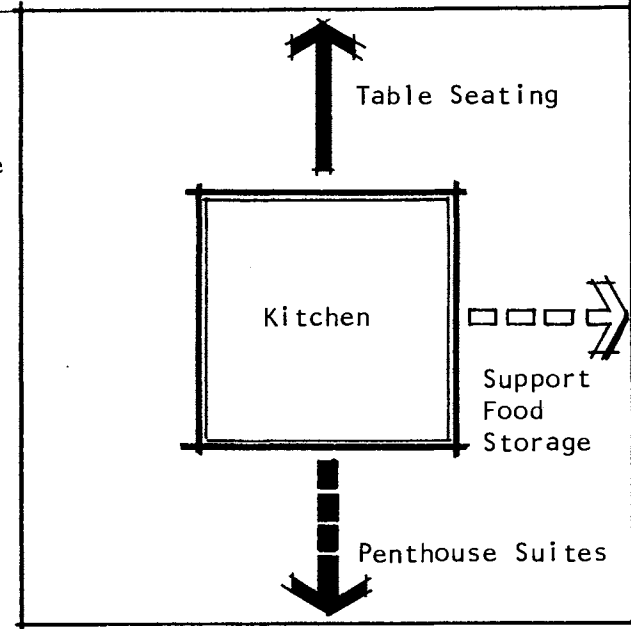
H.V.A.C.: Central system with exhaust air and kitchen vent.

LIGHTING: General florescent lighting

ELECTRICAL: Duplex as required

PLUMBING: Hot and cold water, floor drains, fire suppression system

Fully equiped industrial Kitchen



CODE	c8	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

3000 S.F.

To serve the Clubhouse level with complete toilet facilities.

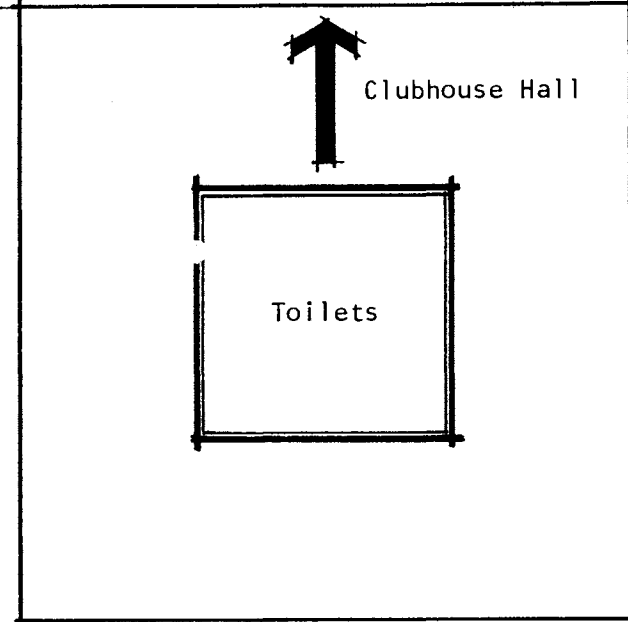
Varies

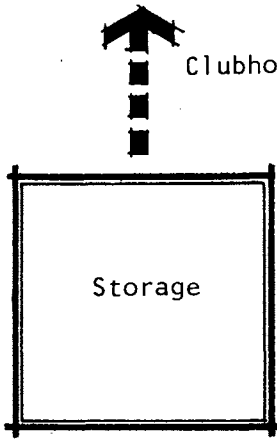
Clubhouse Hall

CEILING: Hard
FLOOR: Tile or similar low maintenance material
WALLS: Hard

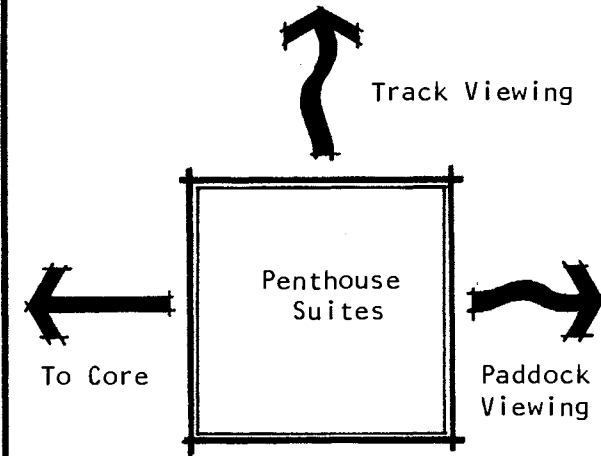
SECURITY: None required
H.V.A.C.: Central system with exhaust air
LIGHTING: Down lighting
ELECTRICAL: Duplex as required and outlets for electric hand dryers
PLUMBING: Hot and cold water, floor drains

As many stalls and sinks as possible to handle the large numbers of people



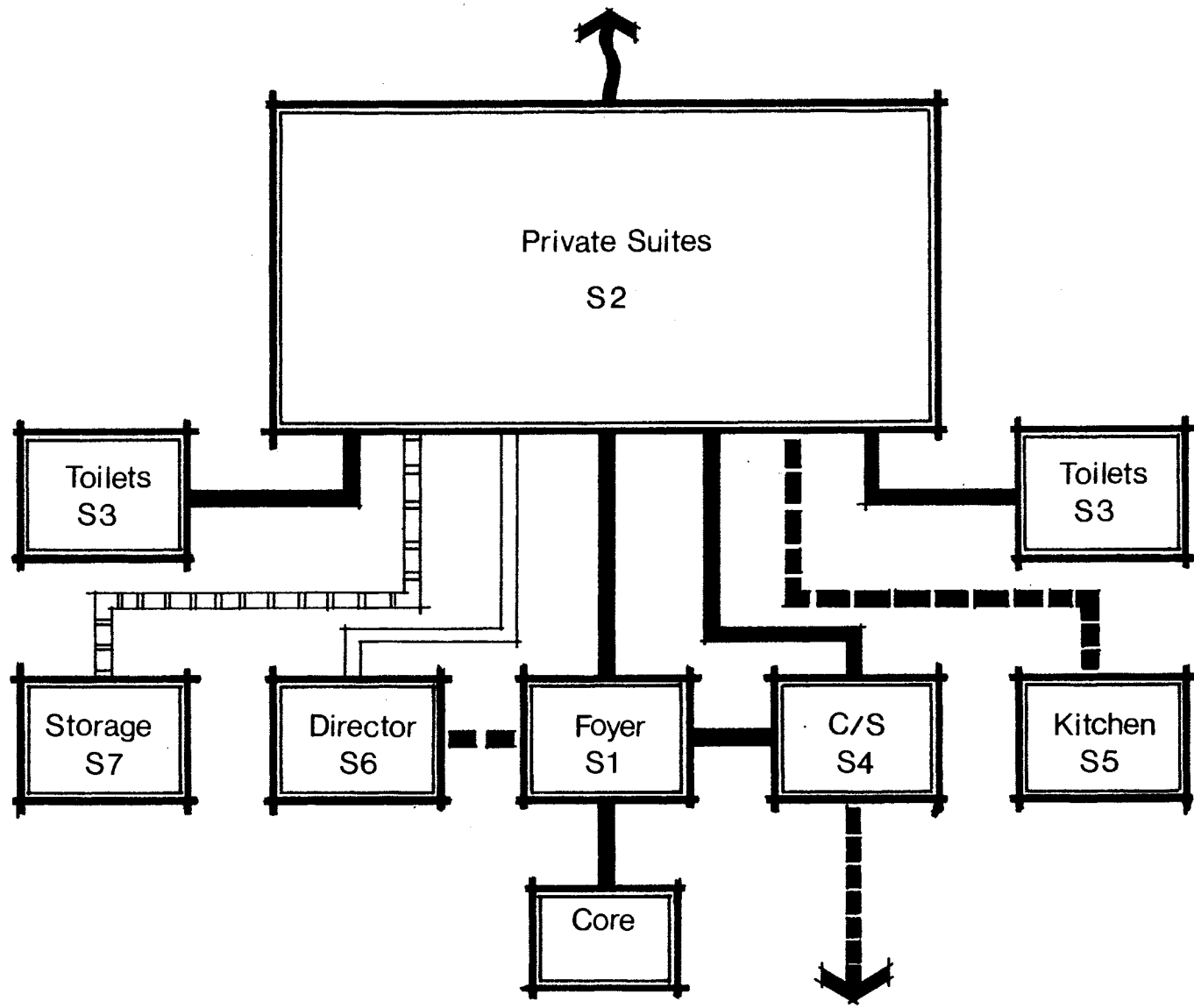
<p>CODE</p>	<p>C9</p>	<p>AREA</p>	<p>2000 S.F.</p>	
<p>FUNCTION</p>			<p>General temporary storage of items to be used on the Clubhouse level.</p>	
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>None</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>Clubhouse Hall</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Hard FLOOR: Hard WALLS: Hard</p>	
<p>MECHANICAL</p>			<p>SECURITY: Control access to staff only H.V.A.C.: Central system LIGHTING: General lighting ELECTRICAL: Duplex as required PLUMBING: None required</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>Storage shelves</p>	
<p>CONCEPT</p>				

The Penthouse Suite level is private and very exclusive. This area should be secluded from the general public areas and access should be controlled to provide security for the suite owners. Therefore, the area is accessible only to the suite owners and their guests, with continuous food and wagering service provided by the Penthouse employees. The individual suite design is open to the owners to express their personal taste and create the desired atmosphere for a race meet. The common areas are to be soft surfaces of high quality to express the dignity and exclusive nature of suite ownership at Cherokee Downs.



Space Requirements

S1	Foyer	1800 S.F.
S2	Private Suites	33600 S.F.
S3	Toilets and Lounge	x 4000 S.F.
S4	Penthouse Sellers and Cashiers	1200 S.F.
S5	Kitchen	1200 S.F.
S6	Directors Office	1000 S.F.
S7	General Storage	1000 S.F.
Total		<hr/> 47300 S.F.



CODE	S1	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1800 S.F.

Serves as a entry lobby from the elevator to the Penthouse Suites. Also serves as a general meeting and socializing area with access control by a receptionist.

40 maximum

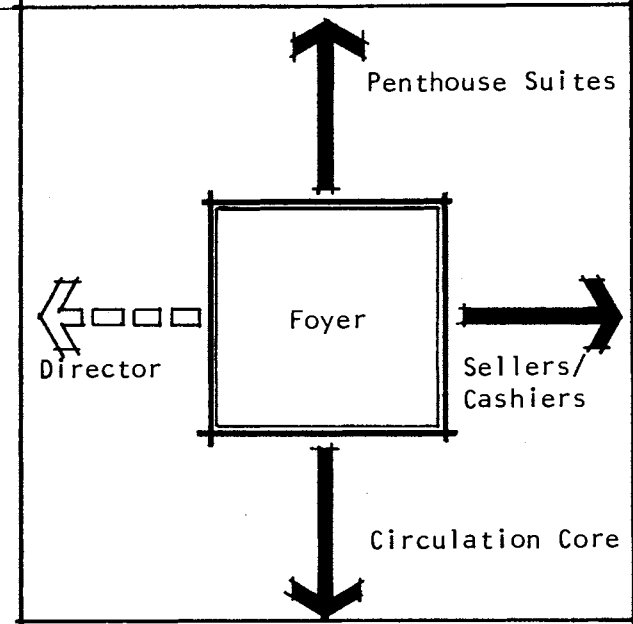
Penthouse Suites
Elevator Core
Wagering Windows

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Control of access by a receptionist
H.V.A.C.: Central system
LIGHTING: Recessed down lights and possibly skylight
ELECTRICAL: Duplex as required
PLUMBING: None required

Lounge chairs
Small tables

Very plush, rich, and elegant to create an atmosphere worthy of the money involved with suite rental.



Penthouse Suites

CODE	S2	AREA
FUNCTION		
HT.	10'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

33600 S.F.

34 Penthouse Suites @ 960 S.F. each
 1 Executive Suite @ 1920 S.F. both areas include circulation
 Executive suites to be designed by the renter of each suite, for small parties of 10 or less

10 -15 each, 25 - 30 in executive suite

Foyer
 Toilets
 Kitchen
 Visual to track

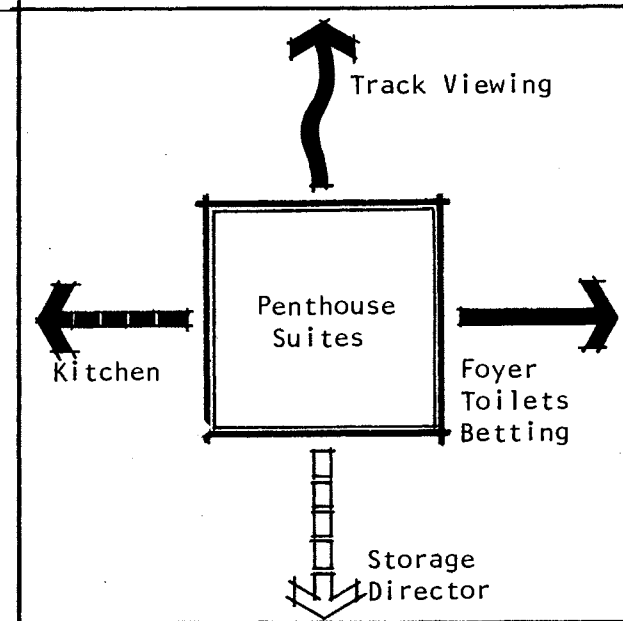
CEILING:

FLOOR: At the discretion of each suite renter, one wall will be glass facing the track.
WALLS:

SECURITY: Lockable doors for controlled access
H.V.A.C.: Central system
LIGHTING: Owners choice
ELECTRICAL: Duplex and lighting wiring as required
PLUMBING: Wet bar

Optional, owners choice

Bare room with stepped floor to allow best visual sight lines.



CODE	S3	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

4000 S.F. , 4 @ 1000 S.F. each

Toilet facilities for use by the Penthouse renters and their guests. Each area would include complete washroom facilities as well as a lounge for smoking and gathering.

Varies

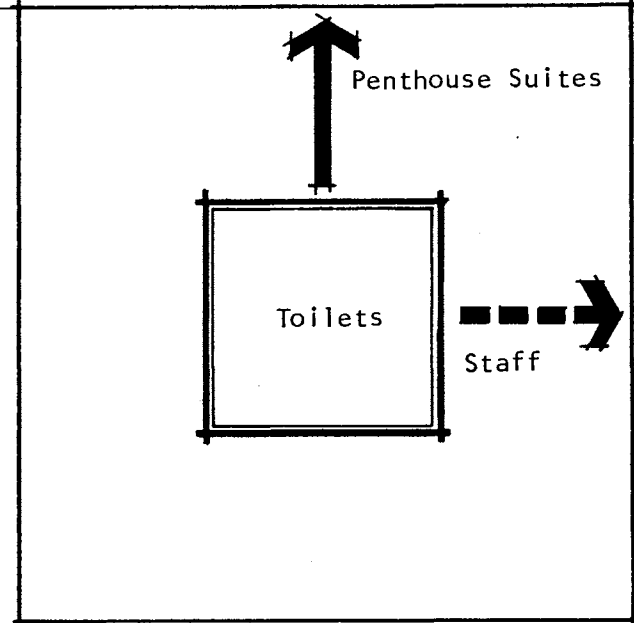
Foyer
Suites

CEILING: Acoustical tile
FLOOR: Ceramic tile
WALLS: Low maintenance material

SECURITY: None required.
H.V.A.C.: Central system with exhaust air
LIGHTING: Recessed down lights
ELECTRICAL: Duplex as required
PLUMBING: Washroom fixture plumbing

5 toilets each
 5 sinks each
 1 couch, 2 chairs, and end tables each

Use nice materials so that it is not a typical restroom



CODE	S4	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1200 S.F.

Placing and cashing of bets by the patrons on this level or by Penthouse staff placing bets for the individuals

8 Sellers
3 Cashiers
1 supervisor

Foyer
Suites
Para-mutuel Boxcar

CEILING: Acoustical tile

FLOOR: Hard or soft surface

WALLS: Wall facing the foyer will contain wagering windows

SECURITY: Very high security with secure stairs to the Boxcar

H.V.A.C.: Central system

LIGHTING: Florescent over the circulation and down lights over the counter

ELECTRICAL: Provide 220 v. duplex at each window for the Totalator equipment

PLUMBING: Small washroom

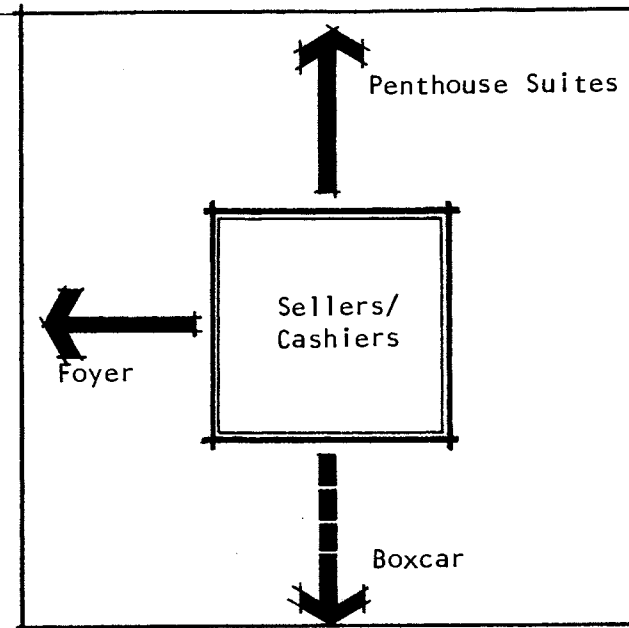
11 window booth modules

11 stools for the cashiers and sellers

Shelving and cabinets along back wall for general storage

1 sink and 1 toilet for staff use

10'-0" minimum clearance in front of windows for lines



CODE	S5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1200 S.F.

Cooking, preparation, and the distribution of food for the persons using the suites.

12 Servers
2 chefs
10 Preparation persons

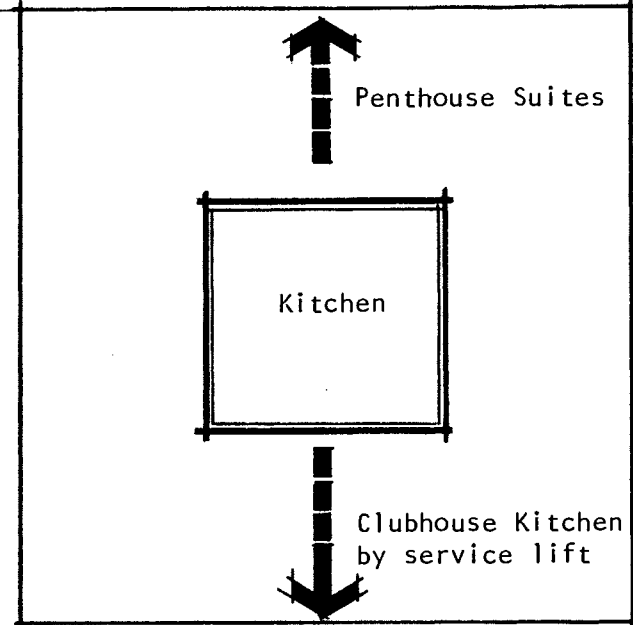
Penthouse suites
Main kitchen on Clubhouse level
Support Food Storage

CEILING: Acoustical tile
FLOOR: Tile or similar low maintenance material
WALLS: Hard low maintenance material

SECURITY: Staff only
H.V.A.C.: Central system with exhaust air
LIGHTING: General florescent
ELECTRICAL: Duplex as required with some 220 v.
PLUMBING: Hot and cold water, floor drains, fire supression system

Typical industrial kitchen equipment

Would also contain facilities to prepare liquor drinks for staff delivery



CODE	S6	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1000 S.F.

Office of the director of the Penthouse level

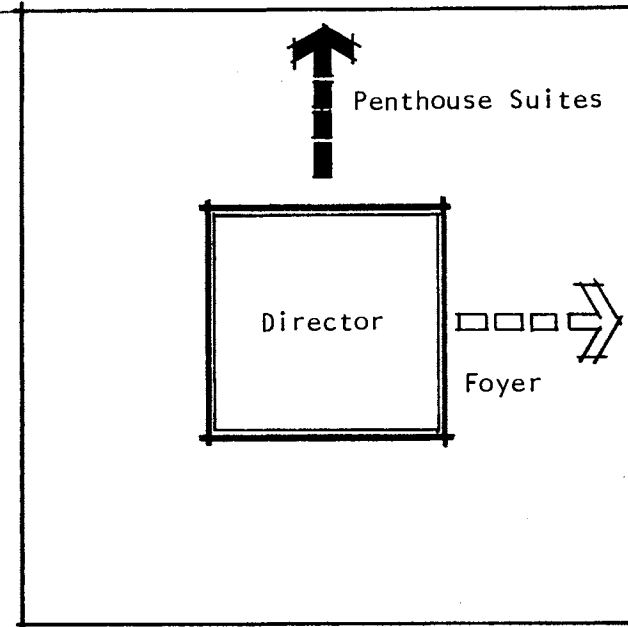
1 Director
1 Receptionist

Foyer
Executive Suite

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Receptionist control
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Fire sprinklers

Receptionist desk, chair, side chairs, and files
Directors desk, chair, side chairs, and files



CODE	S7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1000 S.F.

General storage of items to be used on the Penthouse level, such as extra chairs, and tables.

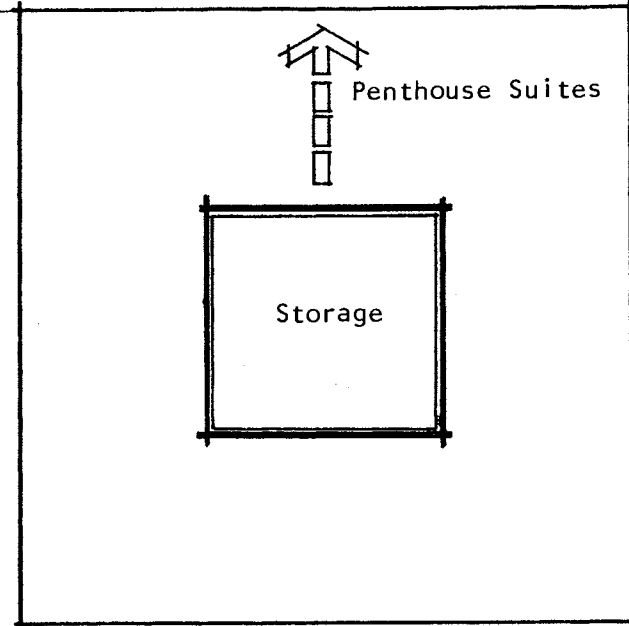
None

At the edge of the level

CEILING: Hard
 FLOOR: Hard
 WALLS: Hard

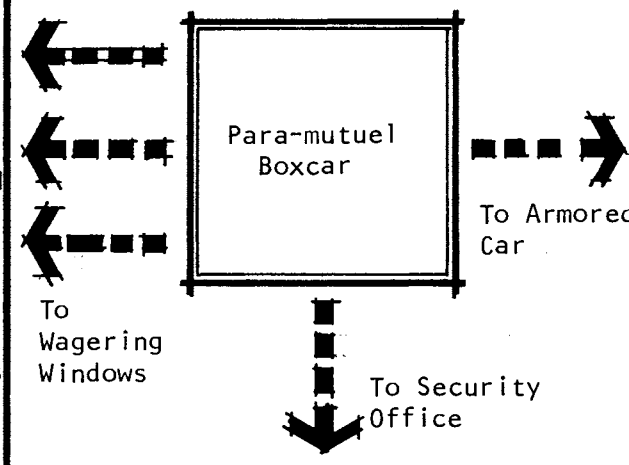
SECURITY: Lockable door.
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: Fire sprinklers

None required



The Totalator system and all the money functions are housed in a space called the "Boxcar". The Boxcar is a very high security area usually suspended between levels with a secure circulation system connecting all the Seller/Cashier Windows to the Boxcar. The Boxcar contains all of the Totalator equipment, computer room, accounting department, vault, and an office for the state and federal tax collectors. Primary access to the Para-mutuels area should be on the entrance level through the security office, up an enclosed stair system to the Boxcar and the wagering windows. Another very important link is the very high security link to the armored car pick-up. The reason for the magnitude of security is that for example - Santa Anita Park in California averages over 5.3 million dollars in para-mutuels per race meet.

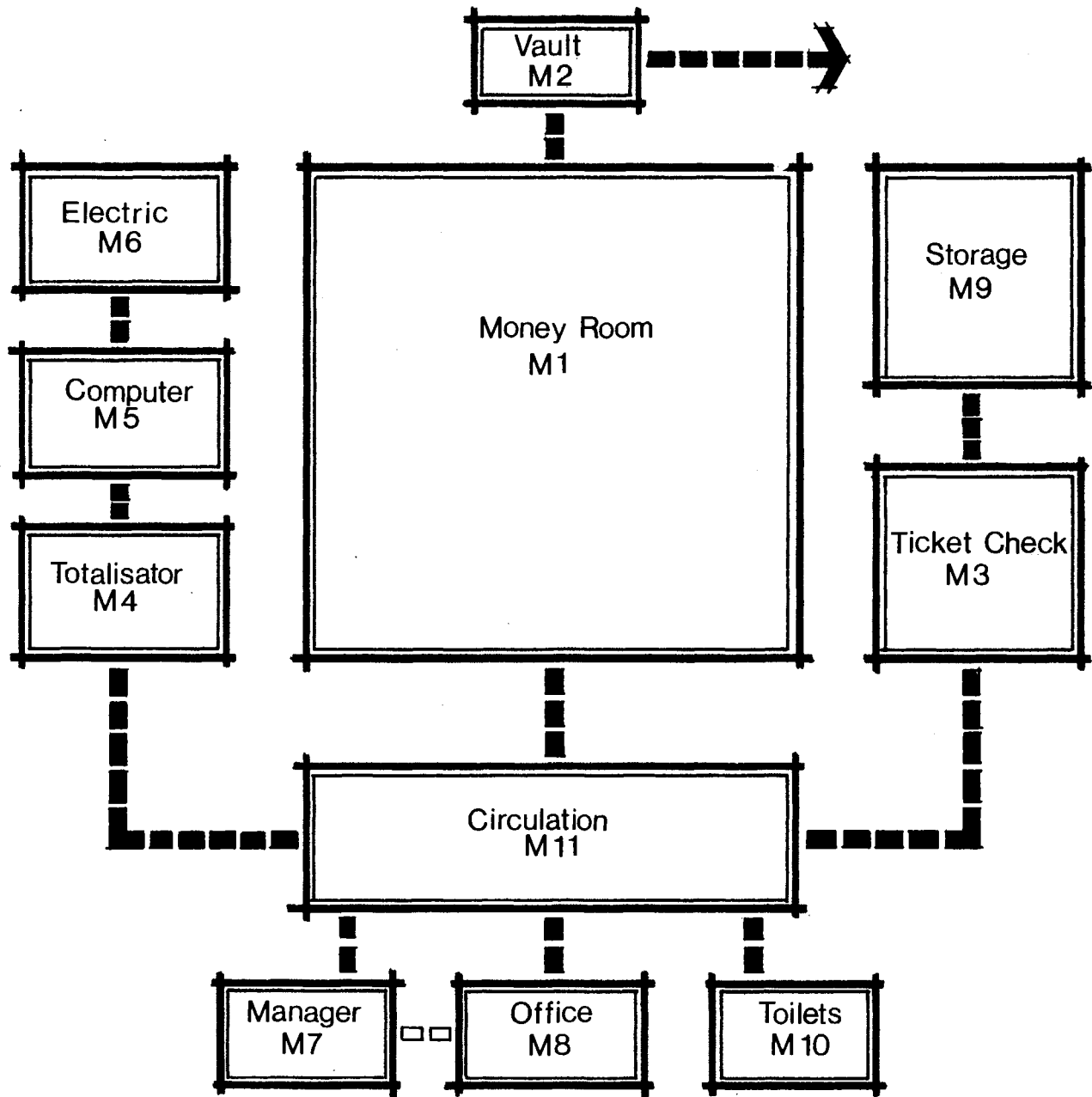
Key words: Security and Control



Space Requirements

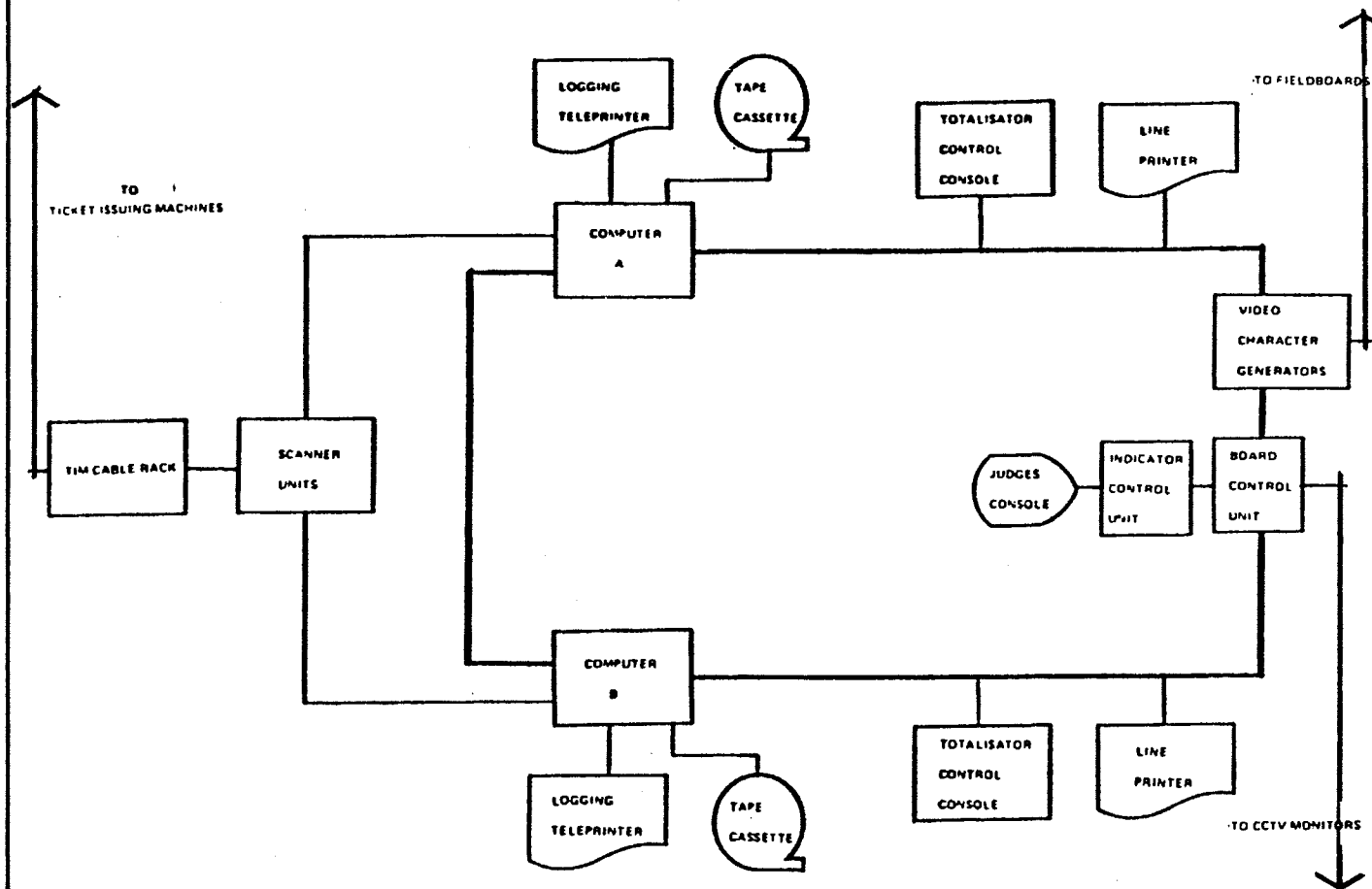
M1	Money Room	1875 S.F.
M2	Vault	120 S.F.
M3	Ticket Check	700 S.F.
M4	Mutuels Room	360 S.F.
M5	Computer Room	625 S.F.
M6	Maintenance Room	220 S.F.
M7	Managers Office	250 S.F.
M8	Tax Collectors Office	250 S.F.
M9	Paper Storage	700 S.F.
M10	Toilets	220 S.F.
M11	Circulation	1400 S.F.

Total 6720 S.F.



Cherokee Downs Horse Racing Facility

The A.T.I. system is designed by the American Totalistor Co. designers for each specific application to fit the track and its individual needs. The A.T.I. Totalistor system controls and record every activity from the issuing of tickets to the posting of odds on the display boards within the facility. One benefit of the system is the speed and accuracy of the records and reports issued by the machine to the personnel, even before the race is over.



TYPICAL AUTOTOTE/PDP-8 SYSTEM CONFIGURATION

<p>CODE</p>	<p>M1</p>	<p>AREA</p>	<p>1875 S.F.</p>	
<p>FUNCTION</p>			<p>All money, before, during, and after races goes through this space. After a specified period of time a Seller/Cashier goes to the Boxcar to exchange the money for a receipt.</p>	
<p>HT.</p>	<p>10'-0"</p>	<p>OCC.</p>	<p>5</p>	
<p>SPATIAL RELATIONSHIPS</p>			<p>Agent Circulation Areas Vault</p>	
<p>ARCHITECTURAL</p>			<p>CEILING: Acoustical tile FLOOR: Carpet WALLS: Hard with the wall facing the agent circulation made of glass with counter</p>	
<p>MECHANICAL</p>			<p>SECURITY: Very high, this is the highest security area in the facility. H.V.A.C.: Central system LIGHTING: General lighting plus task down lighting over the counter ELECTRICAL: Duplex as required with some 220 v. PLUMBING: Fire sprinklers</p>	
<p>FURNITURE-EQUIPMENT</p>			<p>Built-in counter along circulation zone Cabnets on all walls Money carts Computer terminals</p>	
<p>CONCEPT</p>			<p>Central function of all the Para-mutuel activities. The equipment is very expensive, so show off the equipment in a high security glass box.</p>	

CODE	M2	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

120 S.F.

Storage of money during race meets and some cash left secure overnight. Must have access to the armored car pick-up.

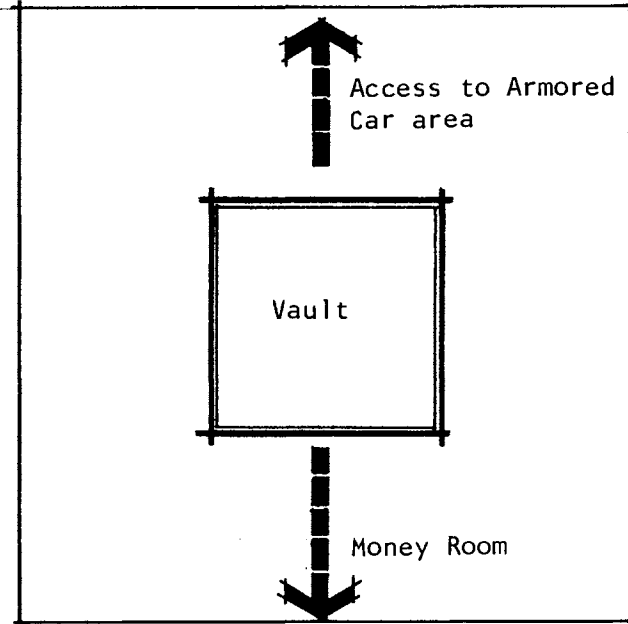
None

Money Room

CEILING: Hard
 FLOOR: Hard
 WALLS: Hard

SECURITY: High security area
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: Fire sprinklers

Steel shelving
 Money carts.



Ticket Check

CODE	M3	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

700 S.F.

Verification of ticket serial numbers for winning tickets.

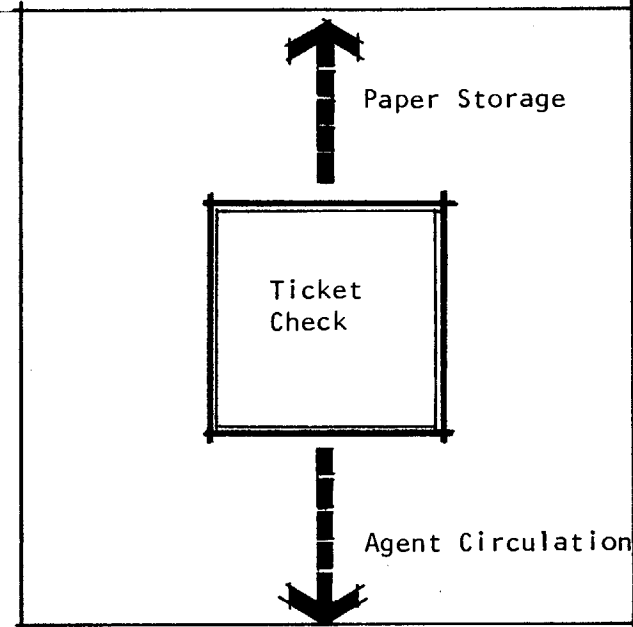
4 Ticket clerks

Paper Storage
Circulation

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: No special security needed within the Boxcar
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Fire sprinklers

4 desks with chairs
4 computer screens and terminals
General storage shelves and cabinets



Mutuels Room

CODE	M4	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

360 S.F.

Collection of money form the sellers and cashiers, issuing of receipts for money collected, and recording of all money coming in and going out.

4

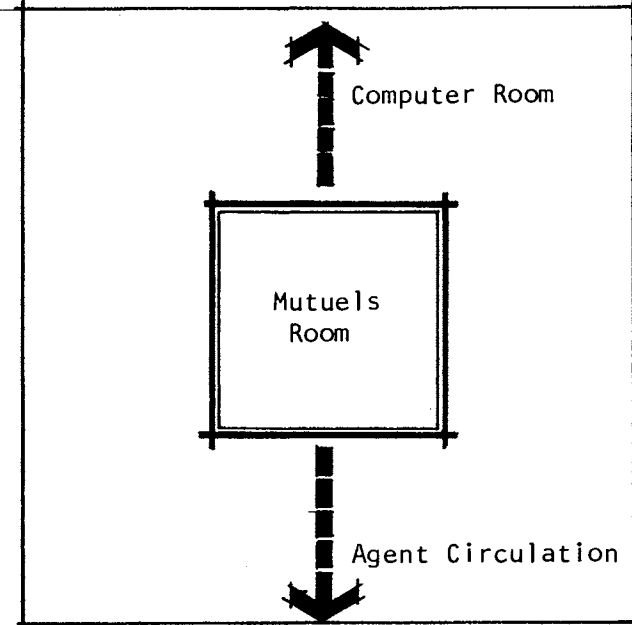
Computer Room
Circulation

CEILING: Acoustical tile
FLOOR: Hard surface
WALLS: Hard surfaces with the wall along the circulation to be of glass with counter

SECURITY: Highest security area
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required for the machines
PLUMBING: Fire sprinklers

4 desks with chairs
4 computer terminals
Money carts

Possibly to be constructed of glass walls to show the people the brain center.
Bullet proof glass



Computer Room

CODE M5 **AREA**

625 S.F.

FUNCTION

This is where the heart of the Totalisator computer system is housed. The main system and the backup system are located in this room.

HT. 10'-0" **OCC.**

2

SPATIAL RELATIONSHIPS

Mutuels Room
Circulation
Maintenance room

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Sub floor with removable access panels for ease of moving or updating system.
WALLS: Hard surface
Large doors to remove equipment for repair or updating.

MECHANICAL

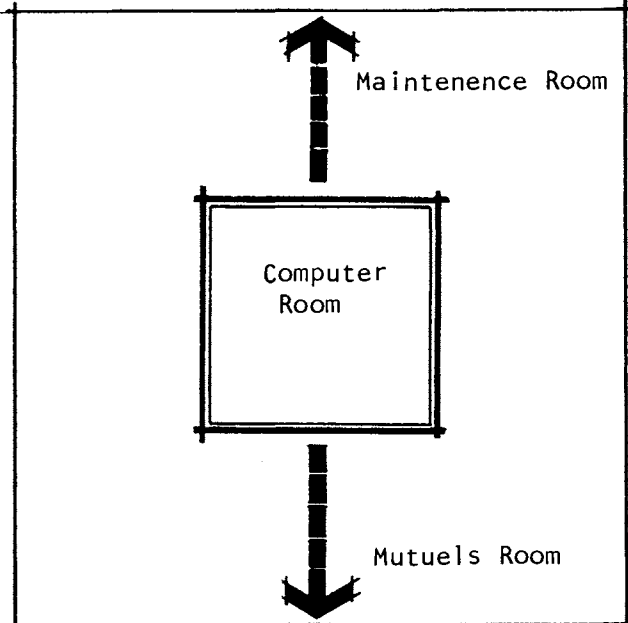
SECURITY: Very high security with access to programmers only.
H.V.A.C.: Central system with an additional system to help cool th equipment
LIGHTING: General lighting with task lighting, over key areas
ELECTRICAL: Both normal and 220 v. duplexes as required
PLUMBING: Fire suppression system, probably foam.

FURNITURE-EQUIPMENT

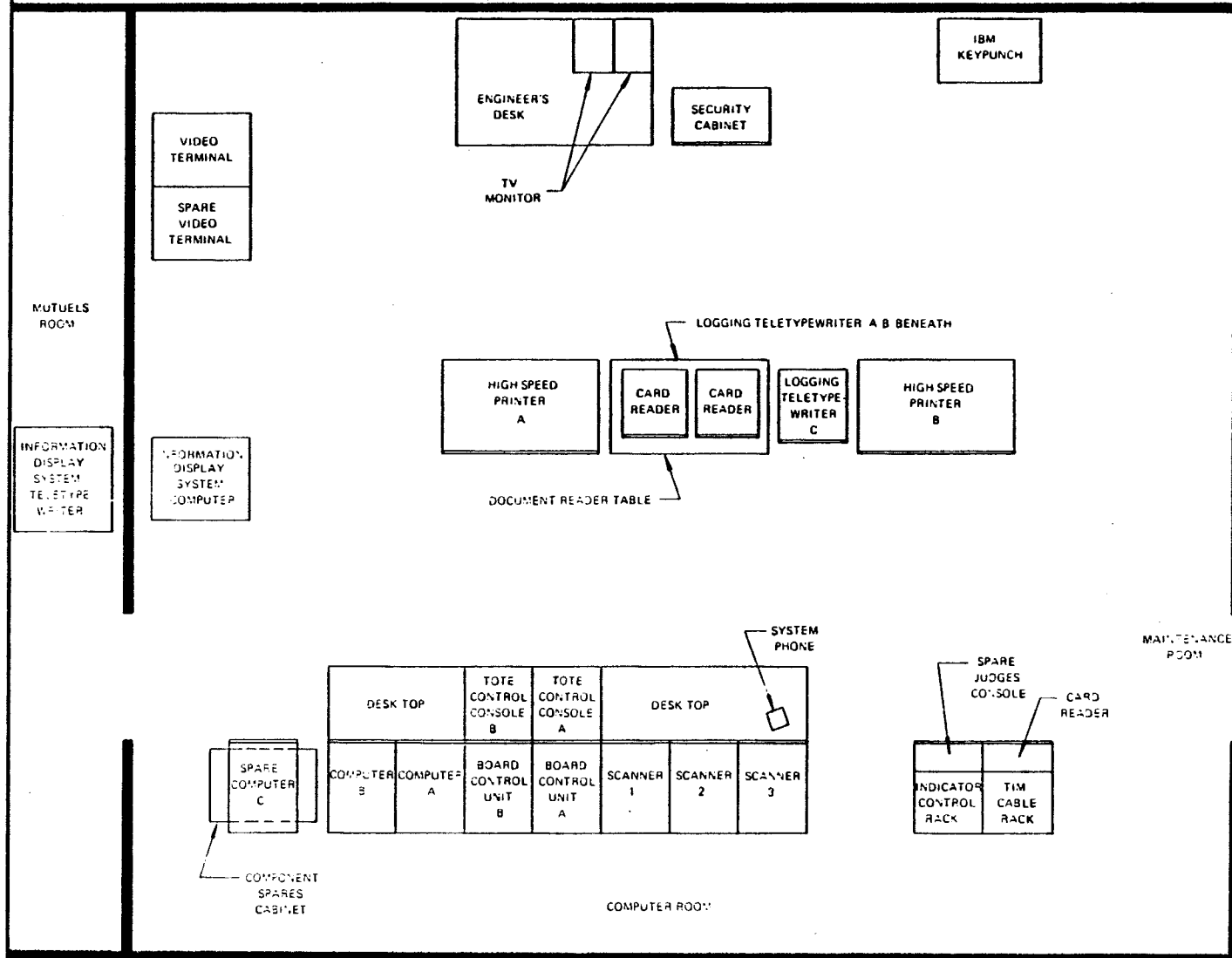
See following sheet

CONCEPT

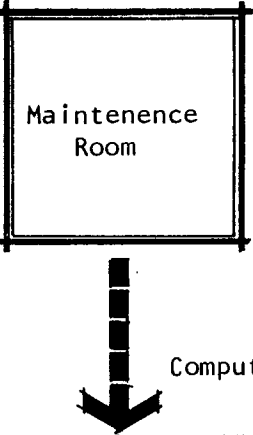
Very secure area with the possibility of glass walls to show off the system



25'



Maintenance Room

CODE	M6	AREA	220 S.F.	
FUNCTION			Provides all incoming power to the Tote system. All outgoing lines will be collected and dispersed from this area.	
HT.	8'-0"	OCC.	None	
SPATIAL RELATIONSHIPS			Computer Room Circulation	
ARCHITECTURAL			CEILING: Hard FLOOR: Hard WALLS: Hard	
MECHANICAL			SECURITY: No additional security is required H.V.A.C.: Central system LIGHTING: General lighting ELECTRICAL: Is the power distribution area for the Tote equipment. PLUMBING: Fire sprinklers	
FURNITURE-EQUIPMENT			Electrical distribution system	
CONCEPT				

Manager's Office

CODE	M7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

250 S.F.

Overseer and manager of all Para-mutuel functions. Direct access to the computer room and access to all Para-mutuel functions

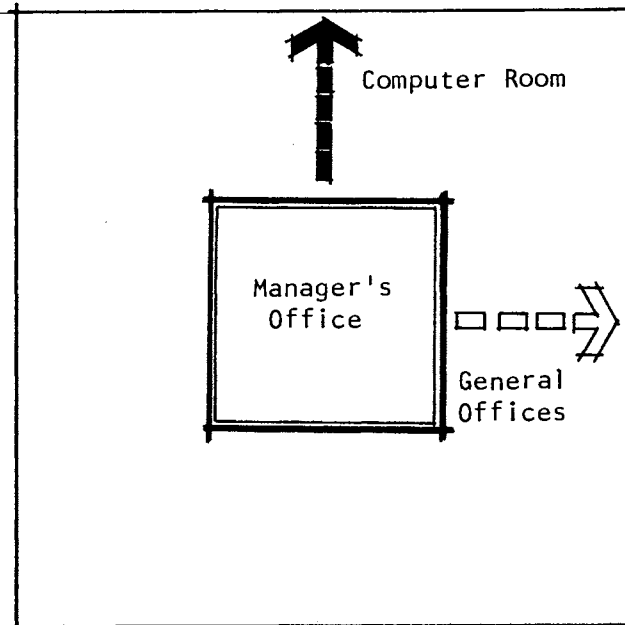
1 Manager
1 Secretary

General Offices
Computer Room
Tote Room

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard, glass into computer room and mutuels room.

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Fire sprinklers

1 Executive desk and chair
2 side chairs
1 secretarial desk and chair
Files



CODE	M8	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

250 S.F.

Office of the state and federal tax collectors. Government takes their share off the top at the conclusion of each race.

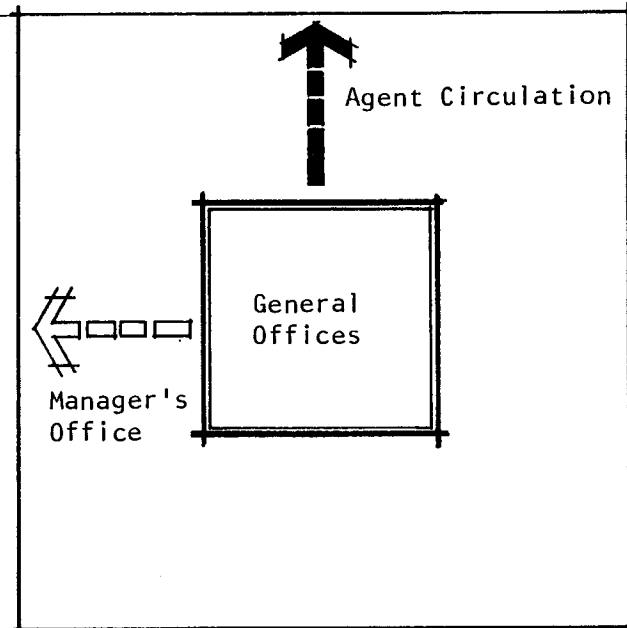
2

Managers Office
Circulation

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: No additional security is required
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required
PLUMBING: Fire sprinklers

2 desks and chairs
General files



CODE	M9	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

700 S.F.

Storage for all paper supplies for the Tote system, adding machine paper, tickets, receipts, and the possible storage of backup machines.

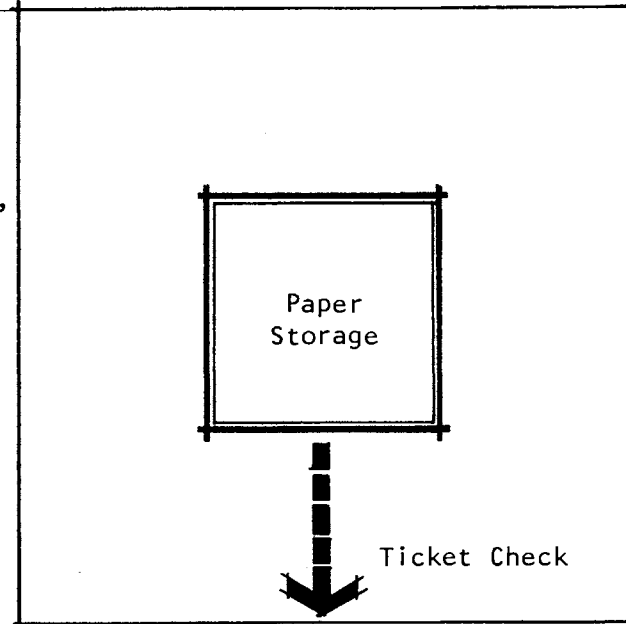
None

Ticket Check
Circulation

CEILING: Acoustical tile
FLOOR: Hard
WALLS: Hard

SECURITY: No additional is required
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: Fire sprinklers

Storage shelves
Cabnets



CODE	M10	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

525 S.F.

2 @ 260 S.F. each
 Service for all employees of the Boxcar and to the agents bringing money from the windows.

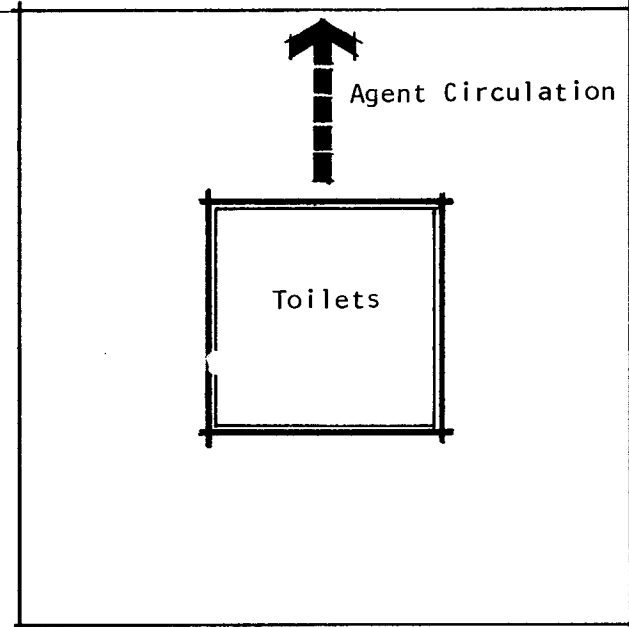
Varies

Circulation
 General location in the Boxcar

CEILING: Acoustical tile
 FLOOR: Tile
 WALLS: Tile or similar low maintenance hard material

SECURITY: None
 H.V.A.C.: Central system with exhaust air
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required with outlets for electric hand dryers
 PLUMBING: Plumbing for toilet facilities and fire sprinklers

3 toilets in each
 3 sinks in each
 2 hand dryers in each



CODE	M11	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

1100 S.F.

Access to the agents from the secure stairs to the mutuels windows and access to staff between functions.

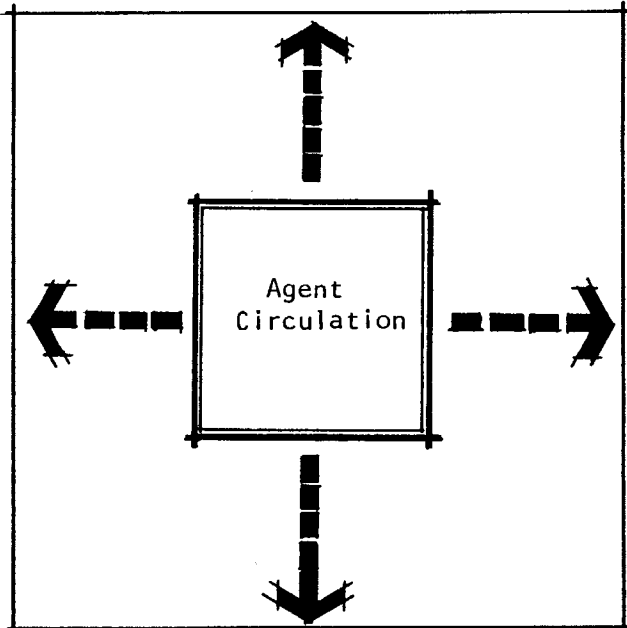
Varies

Central to all functions

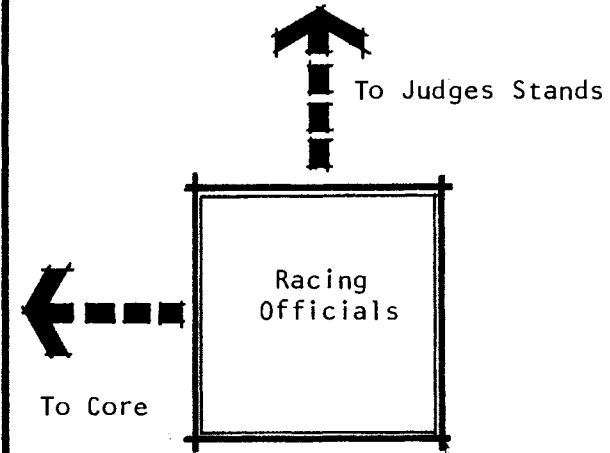
CEILING: Acoustical tile
 FLOOR: Carpet or tile
 WALLS: Hard surface

SECURITY: None
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: duplex as required
 PLUMBING: Fire sprinklers

None required

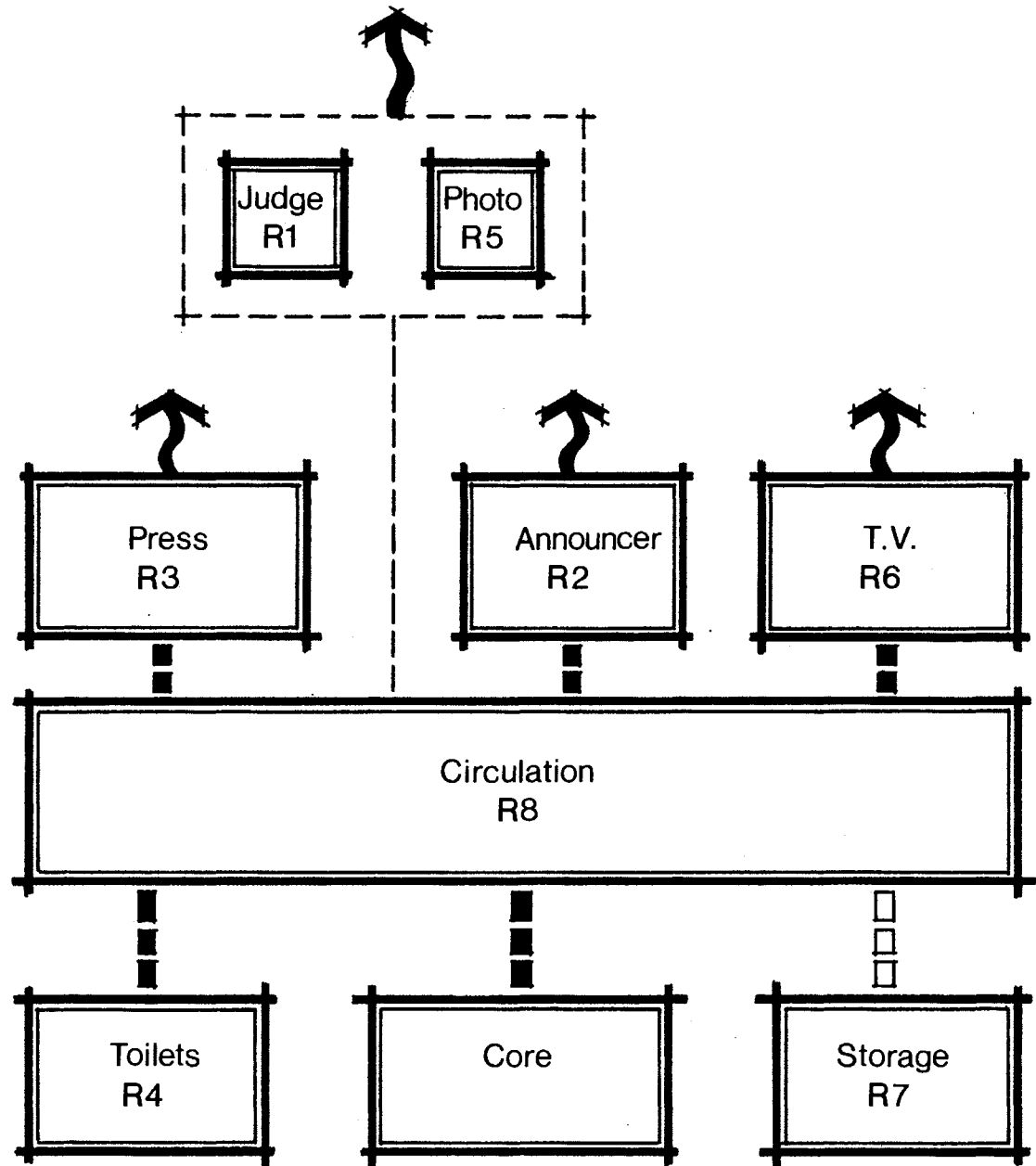


There are many Racing Officials involved in the running and officiating of a race meet. The optimum location is at the highest point in the Grandstand on one or two levels at the finish line to assure the best unobstructed view of the racing surfaces. The role of the racing official is to officiate the race, watching for foul play both visually and on T.V. monitors. The official is assisted by judges towers located on the turns and the backstretch containing either a racing steward or a camera. Also located on the Racing Official level is the photo finish equipment. The goal is to provide an area with the best unobstructed view while maintaining a very high level of security from persons entering the level.



Space Requirements

R1	Judges Booth	300 S.F.
R2	Announcer (Track, Radio, T.V.)	200 S.F.
R3	Press Room	500 S.F.
R4	Staff Toilets	200 S.F.
R5	Photo Finish Equipment	400 S.F.
R6	T.V. Room	400 S.F.
R7	General Storage	200 S.F.
R8	Circulation	700 S.F.
Total		3000 S.F.



Judges Booth

CODE	R1	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

300 S.F.

Official call of the race winners, judgement on any fouls committed during a race, and the reviewing of the race tape to verify the winner
LAW - One of the 3 judges must view the race from the open air with no glass to block view.

3 Judges

Direct access to Photo Finish Room through a hole in the floor or wall
 Judges toilet
 Circulation corridor

CEILING: Acoustical tile

FLOOR: Carpet, small balcony for viewing of the race by one judge

WALLS: Hard

SECURITY: High security; admittance to judges only

H.V.A.C.: Central system

LIGHTING: General lighting

ELECTRICAL: Duplex as required

PLUMBING: None required

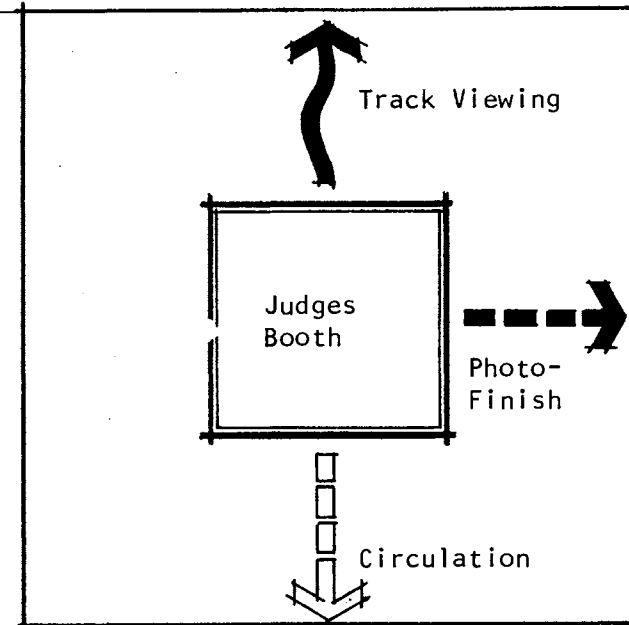
Counter along the glass wall

Closed circuit T.V. monitors

6 x 6 darkroom for one judge for the viewing of the photo finish film

Highest position in the Grandstand for the best, unobstructed views

Very private and secluded from the other Racing Official areas



CODE	R2	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Calling of the race over the public address system at the track as well as radio broadcast.

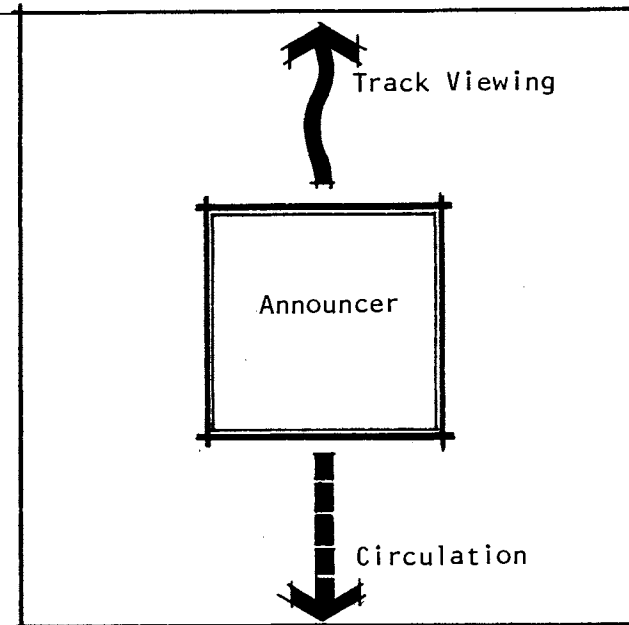
2 - 3

Circulation Core
T.V. Room

CEILING: Acoustical tile
FLOOR: Soft
WALLS: Soft

SECURITY: None required.
H.V.A.C.: Central system
LIGHTING: General lighting and task lighting over counter
ELECTRICAL: Duplex as required
PLUMBING: None required

3 chairs at a counter along the glass
Files for records storage for background information about the horses and jockeys



CODE	R3	AREA
FUNCTION		
HT.	10'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

500 S.F.

Viewing and writing area for the general press and also the writers of related horse magazines

10

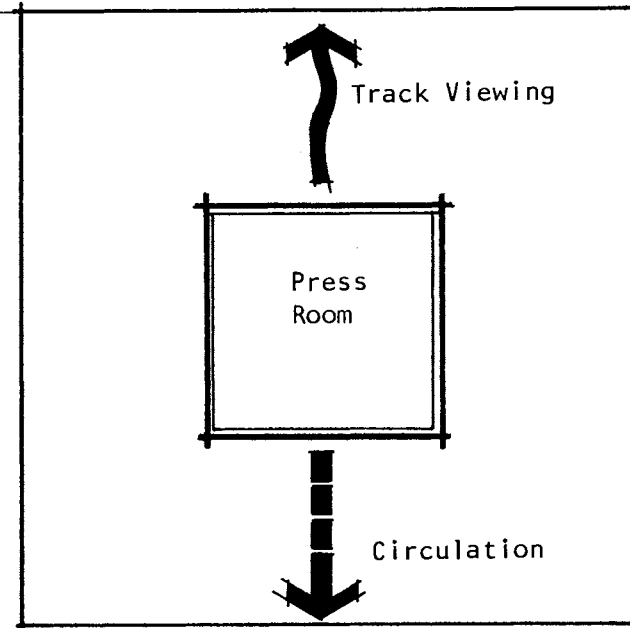
Corridor
Photo Finish Room

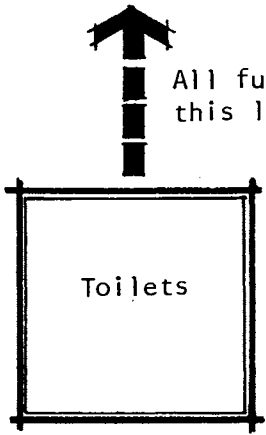
CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Soft

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General lighting and task lighting
ELECTRICAL: Duplex as required for typewriters at each desk, telephone jacks
PLUMBING: Fire sprinklers

10 chairs
5 tables for 2 persons each

2 levels with the lower level near the glass for viewing and writing
The press personnel would be provided with free food and drink.



CODE	R4	AREA	200 S.F., 4 @ 50 S.F. each	
FUNCTION			1 Mens and 1 Womens room to serve the press needs 1 each to serve the T.V. and other officials	
HT.	8'-0"	OCC.	Varies	
SPATIAL RELATIONSHIPS			Corridor	
ARCHITECTURAL			CEILING: Acoustical tile FLOOR: Hard WALLS: Hard	
MECHANICAL			SECURITY: None required H.V.A.C.: Central system with exhaust LIGHTING: Down lights ELECTRICAL: Duplex as required and outlet for electric hand dryers PLUMBING: 1 sink and 1 toilet each	
FURNITURE-EQUIPMENT			1 toilet 1 sink and counter	
CONCEPT				

CODE	R5	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

400 S.F.

Photograph the finish of each race for the record and for the judges use if the race is very close. Development of the print for distribution to the press.

3 - 4

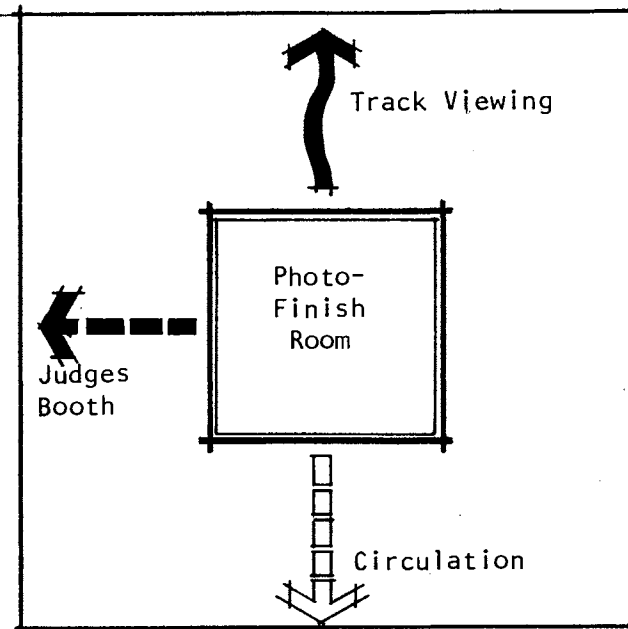
Direct contact with the judges booth
Press Room
Storage

CEILING: Acoustical tile
FLOOR: Soft
WALLS: Hard

SECURITY: High security, controlled access
H.V.A.C.: Central system
LIGHTING: General lighting and safe lights in the dark room
ELECTRICAL: Duplex as required
PLUMBING: Sink for the processing of the prints

Darkroom - sink, enlarger, developing area, dryer
Camera room - Counter, 4 chairs, operable windows, storage cabinets

The Photo Finish Room should be located next to or above the Judges Room so that the Photo finish negative can be directly projected to the Judges Room.



CODE	R6	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

400 S.F.

For the production and filming off all races and events at the facility for both closed circuit T.V. viewing at the stadium as well as television coverage for home use.

5 maximum

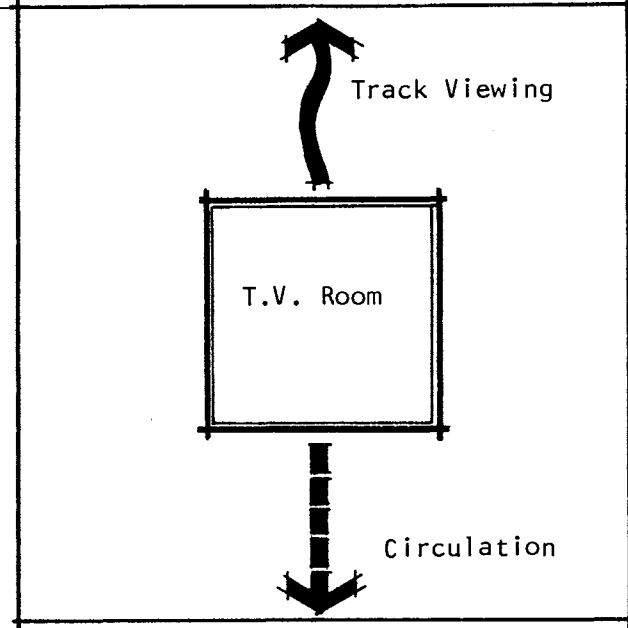
Circulation
Storage
Electrical link to T.V. monitors and outside hook-up

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Soft

SECURITY: Medium security area
H.V.A.C.: Central system
LIGHTING: Down lighting and task lighting
ELECTRICAL: Duplex as required with mainly 220 v.
PLUMBING: Fire sprinklers

Permanently mounted camera with seat
Production board
Remote cameras
Sound dish

T.V. coverage with transmittance by satellite is the newest concept in race viewing. This facility should be given room to expand as this field is further explored.



CODE	R7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Storage of extra equipment and supplies for use on the racing Officials Level

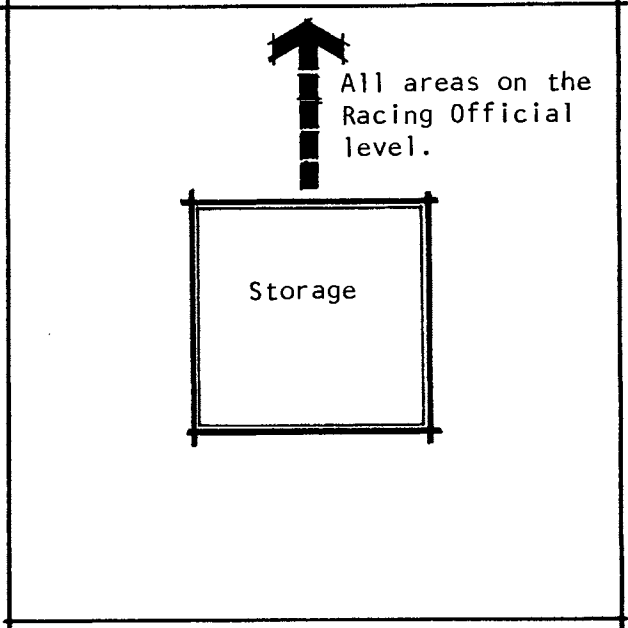
None

Circulation

CEILING: Hard
 FLOOR: Hard
 WALLS: Hard

SECURITY: None required
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: None required

None required



CODE	R8	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

700 S.F.

Connect all areas together and the vertical circulation system

Varies

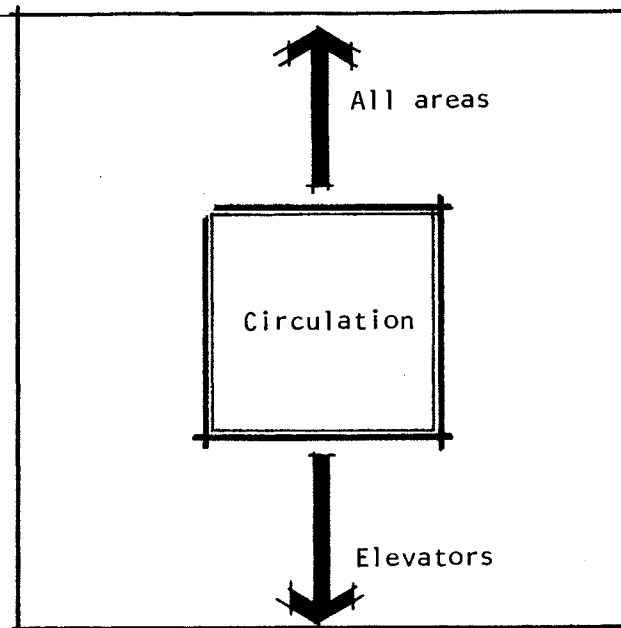
Central Circulation Core

CEILING: Acoustical tile
 FLOOR: Carpet
 WALLS: Hard

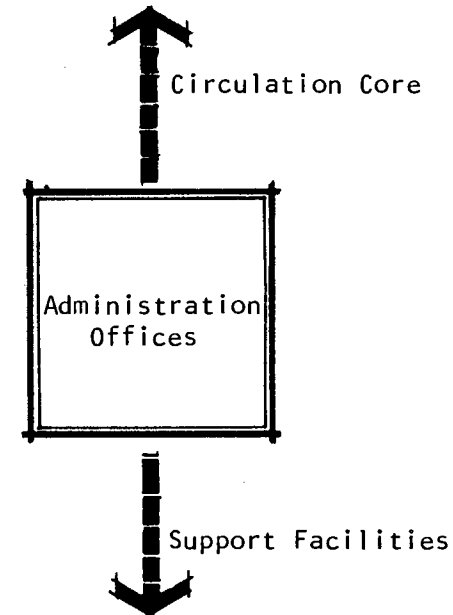
SECURITY: None required
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: Fire sprinklers

None required

Well lit space with a sophisticated atmosphere

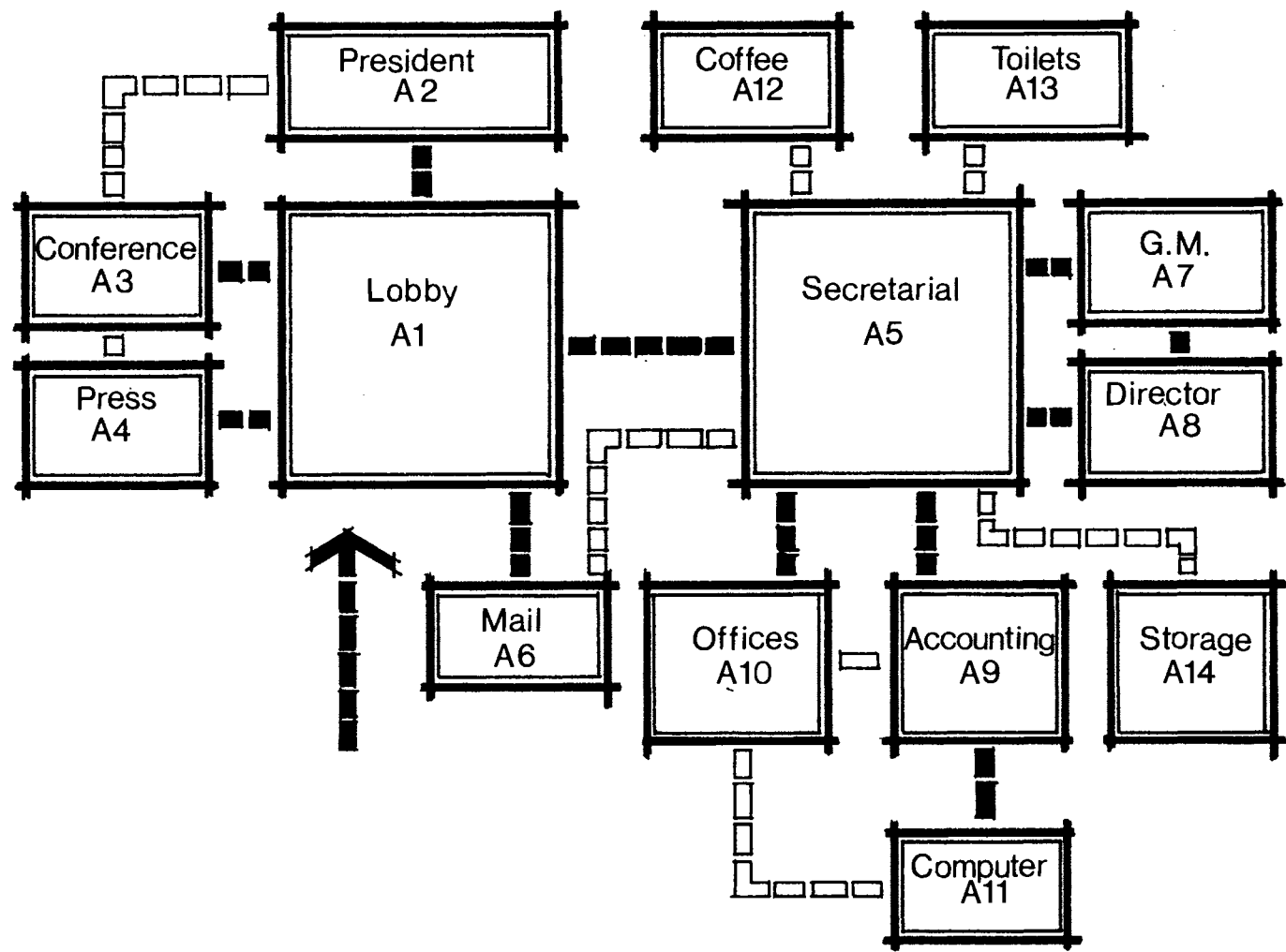


With a facility the size of Cherokee Downs, and with the large sums of money going through the complex, administration is very important. The Administrative Offices will function almost year-round with more intensive activity during the racing season. Some of the functions performed within the administrative offices include scheduling and calendar planning for the following season, accounting of all income through ticket sales, concessions, bars, backstretch sales, purse fees, suite rental, and the printing of the track publication. The atmosphere created in the office should be of an executive nature and of very high quality materials to portray the proper image to those persons visiting the facility's Administration Offices.



Space Requirements

A1	Lobby and Reception area	780 S.F.
A2	Presidents Office	660 S.F.
A3	Conference Room	950 S.F.
A4	Press Room	200 S.F.
A5	Secretarial area	270 S.F.
A6	Mail Room	135 S.F.
A7	General Managers Office	200 S.F.
A8	Assistant General Managers Office	150 S.F.
A9	Accounting Department	1400 S.F.
A10	Directors Offices	550 S.F.
A11	Computer Room	150 S.F.
A12	Coffee Bar	70 S.F.
A13	Staff Toilets	300 S.F.
A14	General Storage	200 S.F.
Total		6215 S.F.



CODE	A1	AREA
FUNCTION		
HT.	8' - 10'	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

780 S.F.

This area will function as a waiting area and reception area for all of the administrative offices. There will be a receptionist to control access and perform general office duties. This will also be the location of the facility switchboard.

1 full time receptionist

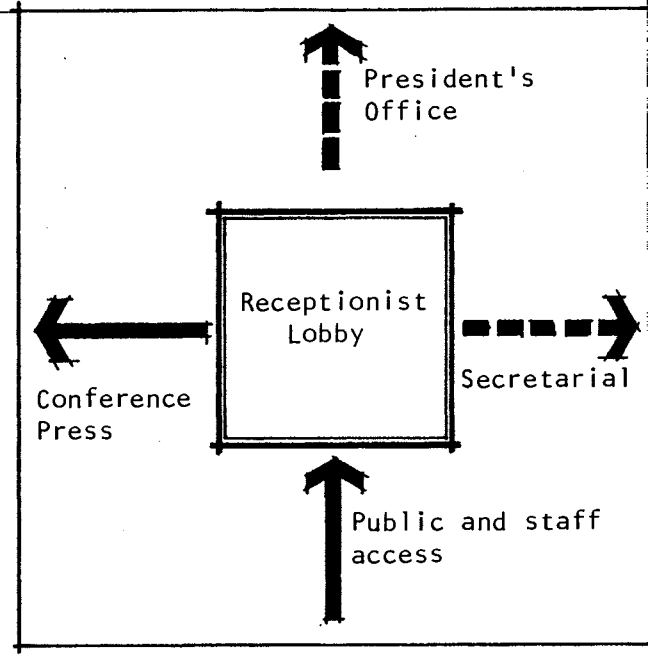
- Secretarial Pool
- Office of the President
- Conference Room
- Press Room
- Mail Room

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard with possible glass with outdoor views.

SECURITY: Control point for the Administrative Offices
H.V.A.C.: Central system
LIGHTING: General lighting in lobby with task for the receptionist
ELECTRICAL: Duplex as required with a telephone switchboard
PLUMBING: None required

Receptionist desk or counter with chair
 File storage
 Switchboard
 1 couch, 2 chairs, and a coffee table or end tables

Very plush and elegant space to give a warm, welcome appearance to the facility to visitors.



CODE AREA

A2

660 S.F.

FUNCTION

Office of the head of the Cherokee Racing Commission and overall director of the racing complex.

HT. OCC.

8'-0"

1

SPATIAL RELATIONSHIPS

Conference Room
Receptionist

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

MECHANICAL

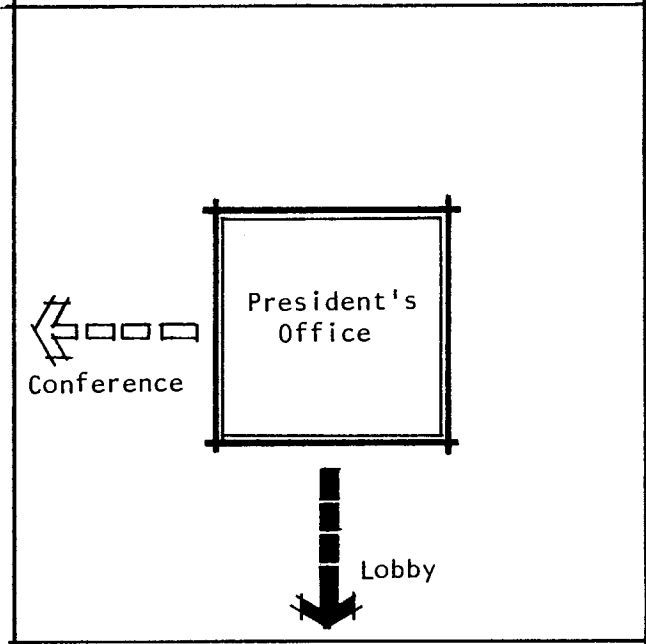
SECURITY: Access control by the receptionist
H.V.A.C.: Central system
LIGHTING: General lighting, task lighting, and possible daylighting
ELECTRICAL: Duplex as required, phone jack
PLUMBING: Wet bar and private toilet

FURNITURE-EQUIPMENT

Executive desk, chair and cradanza
Small lounge area for informal conferences
1 toilet
1 sink
1 wetbar

CONCEPT

Very plush and elegant to go with the title



CODE	A3	AREA
FUNCTION		
HT.	8' - 10'	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

950 S.F.

General meeting area for the administrative staff of Cherokee Downs and for various racing organizations

10 - 12

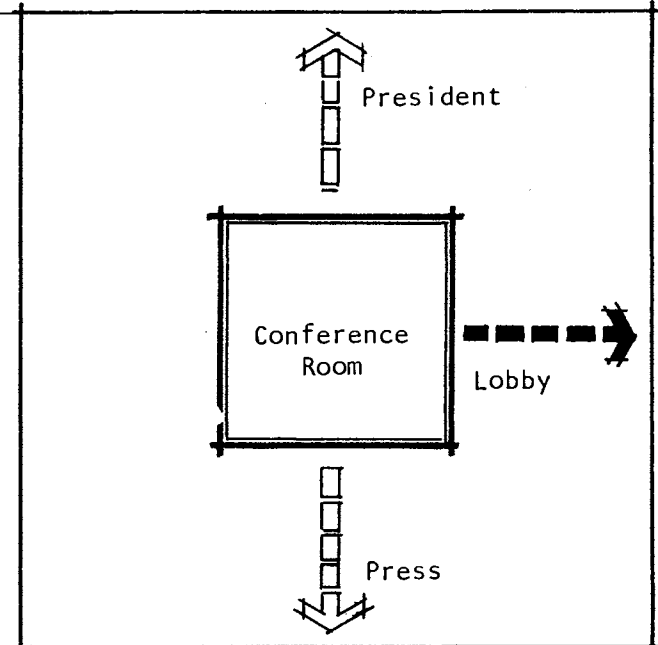
Lobby
Press Room
President's Office

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Soft sound absorbant

SECURITY: Control by the receptionist
H.V.A.C.: Central system
LIGHTING: General lighting and accent lighting on a dimmer
ELECTRICAL: Duplex as required
PLUMBING: Wet bar and fire sprinklers

Table for 12
14 arm chairs
Rear screen projector and an area for movie equipment
Wet bar

High class atmosphere to portray a high class image to the visitor.



CODE A4 **AREA**

200 S.F.

FUNCTION

Meeting area for the staff and the reporters from various racing organizations the the press. Would also act as a meeting place among press members.

HT. 8'-0" **OCC.**

5-7

SPATIAL RELATIONSHIPS

Conference Room
Lobby

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

MECHANICAL

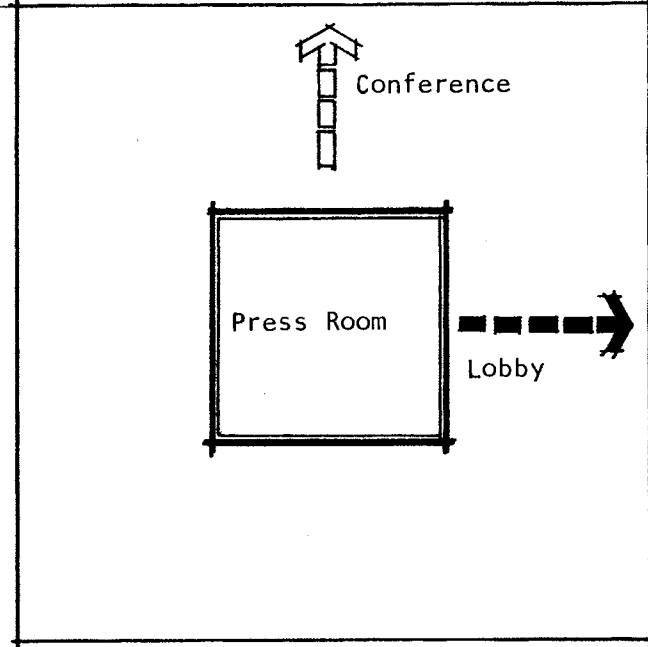
SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required and telephone jacks
PLUMBING: None required.

FURNITURE-EQUIPMENT

2 Lounge chairs
2 couches
Small table

CONCEPT

This area will act as a small lounge and will have informal gatherings



CODE A5 AREA

270 S.F.

FUNCTION

The secretaries in this area will perform all secretarial services to the Track Manager, Assistant Manager, and the other office staff.

HT. 8'-0" OCC.

3

SPATIAL RELATIONSHIPS

Central to all functions, act as a distribution area to the other areas.

ARCHITECTURAL

CEILING: Acoustical tile
 FLOOR: Carpet or tile
 WALLS: Hard or open office planing

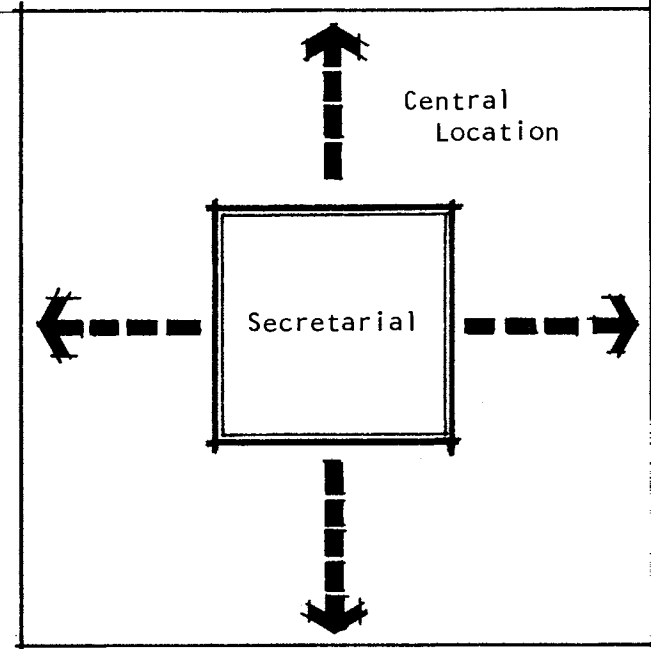
MECHANICAL

SECURITY: None required
 H.V.A.C.: Central system
 LIGHTING: General and task lighting
 ELECTRICAL: Duplex as required
 PLUMBING: None required

FURNITURE-EQUIPMENT

Open office equipment for three secretaries
 Additional file storage

CONCEPT



CODE A6 **AREA**

135 S.F.

FUNCTION

Sorting and gather of all incoming and outgoing mail to the facility.

HT. 8'-0" **OCC.**

1 part-time

SPATIAL RELATIONSHIPS

Receptionist
Secretarial area

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Carpet or tile
WALLS: Hard, one wall with boxes on it

MECHANICAL

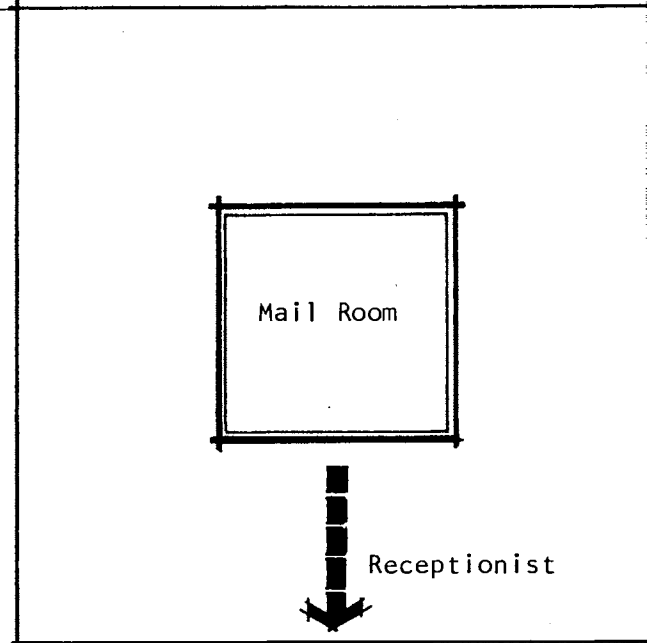
SECURITY: Control by the receptionist
H.V.A.C.: Central system
LIGHTING: General lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

FURNITURE-EQUIPMENT

Sorting table
2 walls of mail boxes
Mail box for outgoing mail

CONCEPT

The actual sorting of mail would be done either by the receptionist or one of the secretaries.



CODE	A7	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

Overseer of all functions of the racing organization and chief administrator.

1

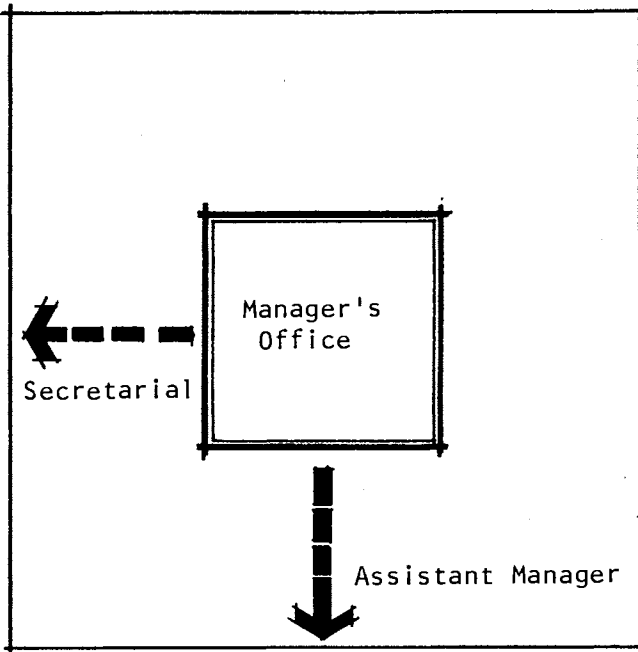
Secretarial area
Assistant General Manager's Office

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Access control by the receptionist
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Desk and chair
Couch, easy chair and small table
Book shelves

Very elegant space to go with the title of the office.



CODE	A8	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

150 S.F.

Assistant to all of the duties of the Track Manager.

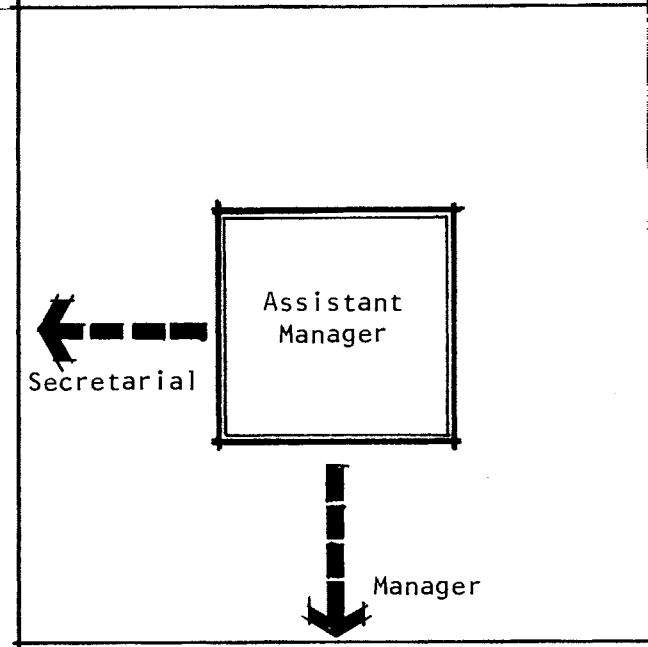
1

Secretarial area
General Manager's Office

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

SECURITY: Receptionist will control access
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

Desk and chair
Cradenza
Book shelves
2 side chairs



CODE A9 **AREA**

1400 S.F.

FUNCTION

Keeping of all the books concerning time and money of the functions in the Grandstand, Paddock, Parking, and backstretch areas.

HT. 8'-0" **OCC.**

5-10

SPATIAL RELATIONSHIPS

Staff Offices
Computer Room
Secretarial Area

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

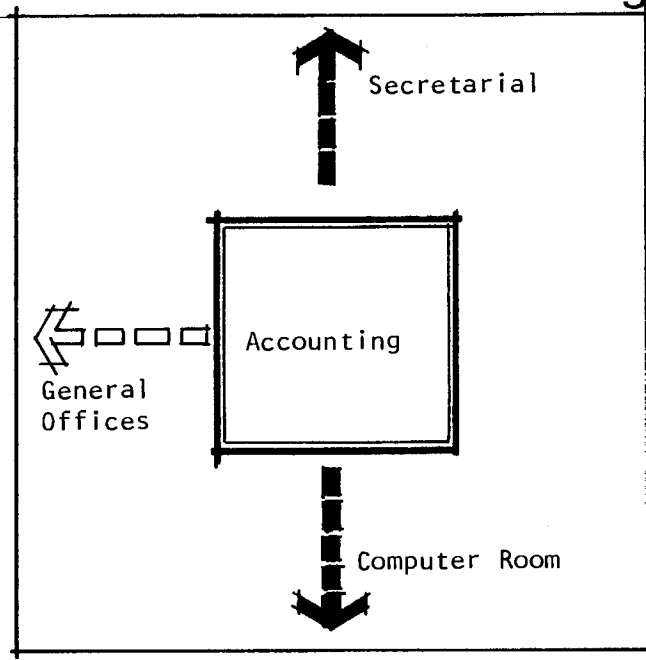
MECHANICAL

SECURITY: Security control over the records
H.V.A.C.: Central system
LIGHTING: General and task lighting
ELECTRICAL: Duplex as required and hook-ups for the computer outlets.
PLUMBING: None required

FURNITURE-EQUIPMENT

8 Desk units in open office type furniture
4 computer screens
10 chairs

CONCEPT



CODE A10 AREA

550 S.F.

FUNCTION

Offices of the Administrative Director, Public Relations, Publicity Director and some general office personnel.

HT. 8'-0" OCC.

5

SPATIAL RELATIONSHIPS

Secretarial
Accounting
Computer Room

ARCHITECTURAL

CEILING: Acoustical tile
FLOOR: Carpet
WALLS: Hard

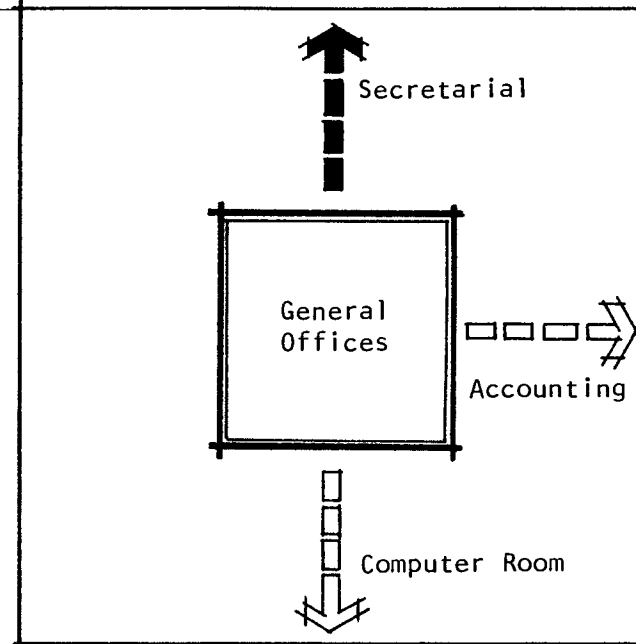
MECHANICAL

SECURITY: None required
H.V.A.C.: Central system
LIGHTING: General, task, and possibly day lighting
ELECTRICAL: Duplex as required
PLUMBING: None required

FURNITURE-EQUIPMENT

Open office furniture for 5 employees.

CONCEPT



CODE	A11	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

150 S.F.

Storage of all track records, accounts, and other information used at the track.

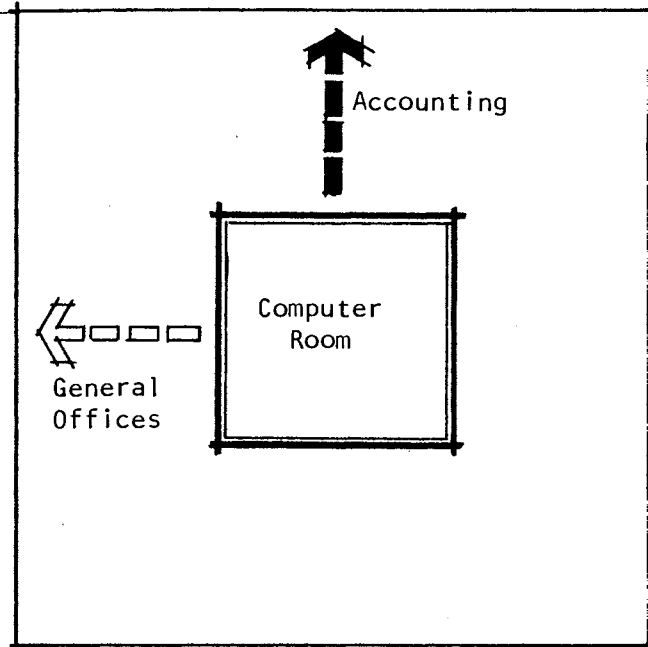
None

Accounting
 General Offices
 Electrical link to the Para-Mutuel computer

CEILING: Acoustical tile
 FLOOR: Raised with access panels for ease of changing the system or updating
 WALLS: Hard

SECURITY: Medium
 H.V.A.C.: Central system plus a unitary system for cooling
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required plus some 220v.
 PLUMBING: Time delay fire suppression system

Computer equipment as needed



CODE	A12	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

70 S.F.

Coffee service area to the administrative offices and general storage area for small items.

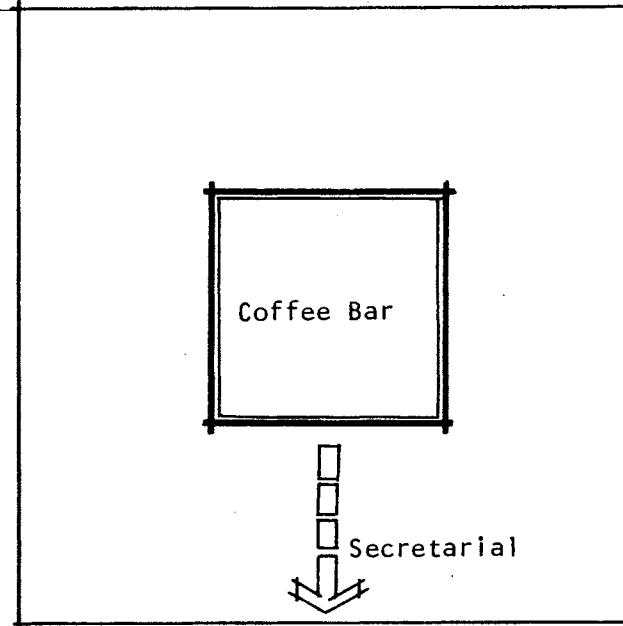
None

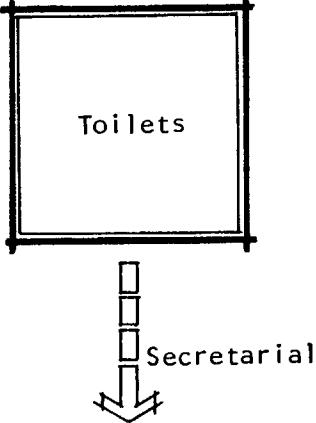
Secretarial Area

CEILING: Acoustical tile
 FLOOR: Tile
 WALLS: Hard

SECURITY: None required
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: Sink

Service counter with sink
 Storage cabinets below and above counter



<p>CODE</p>	<p>A13</p>	<p>AREA</p>	<p>300 S.F.</p>	
<p>FUNCTION</p>		<p>Provide service to all of the staff in the Administration areas.</p>		
<p>HT.</p>	<p>8'-0"</p>	<p>OCC.</p>	<p>Varies</p>	
<p>SPATIAL RELATIONSHIPS</p>		<p>Secretarial Area</p>		
<p>ARCHITECTURAL</p>		<p>CEILING: Acoustical tile FLOOR: Tile WALLS: Hard, possibly tile</p>		
<p>MECHANICAL</p>		<p>SECURITY: None required H.V.A.C.: Central system with exhaust air LIGHTING: General lighting ELECTRICAL: Outlets for electric hand dryers PLUMBING: Plumbing for washroom fixtures</p>		
<p>FURNITURE-EQUIPMENT</p>		<p>Womens: 2 toilets 2 sinks Mens : 2 toilets 2 sinks</p>		
<p>CONCEPT</p>				

CODE	A14	AREA
FUNCTION		
HT.	8'-0"	OCC.
SPATIAL RELATIONSHIPS		
ARCHITECTURAL		
MECHANICAL		
FURNITURE-EQUIPMENT		
CONCEPT		

200 S.F.

General storage of all supplies and equipment used in the Administrative offices

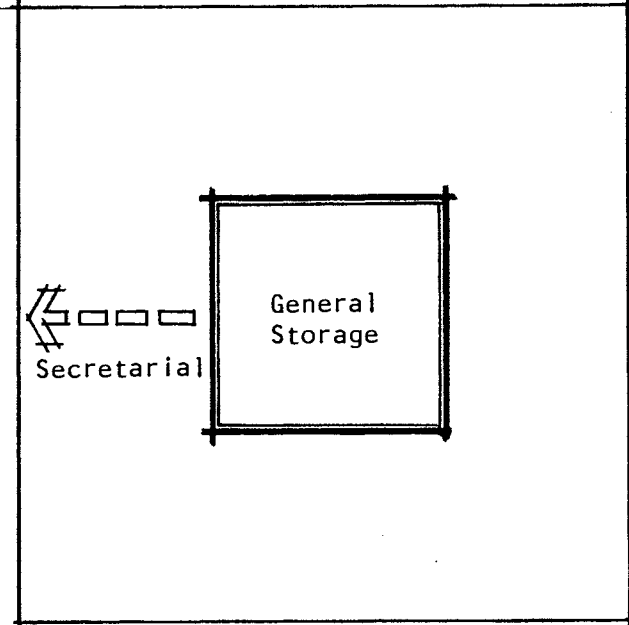
None

Secretarial Area

CEILING: Open
 FLOOR: Hard
 WALLS: Hard

SECURITY: None required
 H.V.A.C.: Central system
 LIGHTING: General lighting
 ELECTRICAL: Duplex as required
 PLUMBING: None required

Storage shelving



CODE	AREA
FUNCTION	
HT.	OCC.
SPATIAL RELATIONSHIPS	
ARCHITECTURAL	
MECHANICAL	
FURNITURE-EQUIPMENT	
CONCEPT	

Area located between the Grandstand and the track

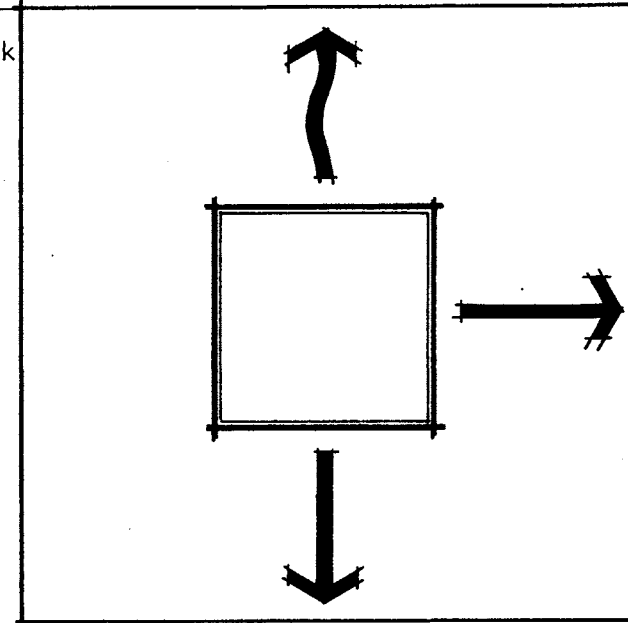
This area is to provide for standing area for not only the overflow crowds but also the everyday crowds wishing to get closer to the action. The fans will also be able to take lounge chairs onto the apron for spectating.

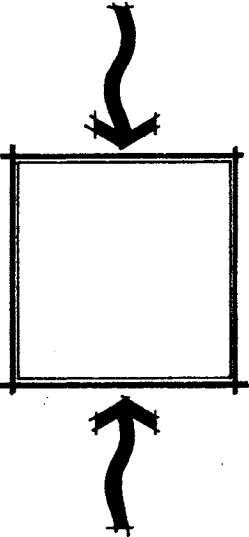
Varies

Track
Grandstand

CEILING: Open
FLOOR: Tile or concrete
WALLS: None

SECURITY:
H.V.A.C.:
LIGHTING: Lighting for night racing
ELECTRICAL:
PLUMBING:



CODE	AREA		
FUNCTION		<p>1 mile main dirt oval 7 furlong turf course 6 furlong steeplechase course 2 furlong or 1/4 mile straight track</p>	
HT.	OCC.	<p>Occupy up to 14 horses</p>	
SPATIAL RELATIONSHIPS		<p>Infield Apron Visual access to the Grandstand</p>	
ARCHITECTURAL		<p>CEILING: FLOOR: WALLS:</p>	
MECHANICAL		<p>SECURITY: H.V.A.C.: LIGHTING: ELECTRICAL: PLUMBING:</p>	
FURNITURE-EQUIPMENT		<p>Starting Gate Track Maintenance Equipment Judges towers</p>	
CONCEPT			

CODE	AREA
FUNCTION	
HT.	OCC.
SPATIAL RELATIONSHIPS	
ARCHITECTURAL	
MECHANICAL	
FURNITURE-EQUIPMENT	
CONCEPT	

Space enclosed by the tracks

A place for informal spectating of the races, picnics and relaxation. Also a place for large crowds to gather on the big days.

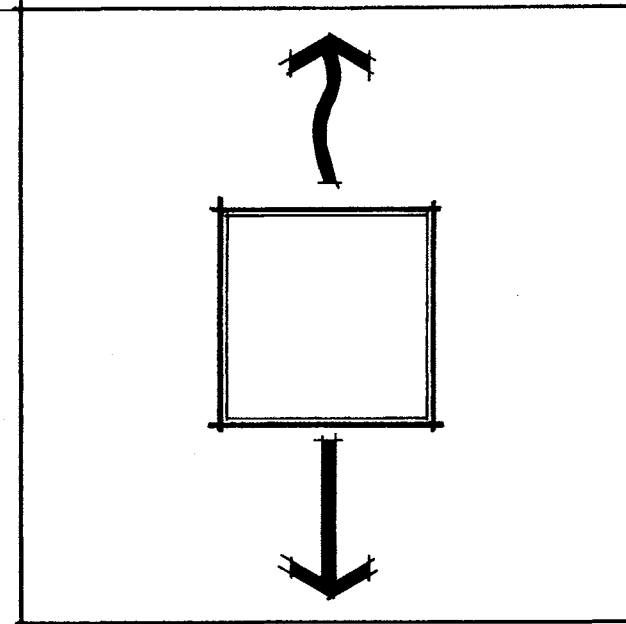
15000 - 20000

Visual access to the track
Tunnel access to the Apron

CEILING:
FLOOR:
WALLS:

SECURITY:
H.V.A.C.:
LIGHTING:
ELECTRICAL:
PLUMBING:

3000 S.F. of Sellers/Cashiers
2000 S.F. of Concessions
1000 S.F. of Bars
1000 S.F. of Toilets



Form

Goal: Provide a sense of entry and an entry sequence.

Concept: The entry sequence should begin at Highway 51 and continue until the patron arrives at the entry plaza.

Concept: Provide an obvious and enviting entrance on a grand scale to imply the grandness of a race meet.

Concept: Make use of existing landscape and forms to direct the enty sequence.

Form

Goal: To project an image that implies the nature of the sport and the sophistication of the facility.

Concept: The building should be of a grand scale in exterior appearence and in the public halls.

Concept: Display the expensive and sophisticated totalistor equipment because of the cost similar to the way a bank displays the bank.

Concept: Use high quality materials to portray a high visual image.

Concept: Use ideas and images from the past and intermix them with the state of the art technology.

Economy

Goal: Provide for income producing activities to help support the facility.

Concept: Facilities to accommodate year-round use of the stables and training facilities.

Concept: Flexible tracks to allow for many types of races on 4 - 6 days a week almost year-round.

Concept: The selling of feed and tack in the Backstretch area.

Economy

Goal: Reduction of operation and maintenance costs.

Concept: Make use of both passive and active solar systems.

Concept: Select surfaces that are easy to maintain in the public areas.

Time

Goal: Provide for expansion.

Concept: Allow for certain facilities to expand over time as the crowds enlarge.

Function

Goal: To provide a major horse racing facility for the state of Oklahoma and the region.

Concept: A high class facility to display the horses in their finest state.

Concept: The facility should incorporate the newest technology and become the state of the art facility.

Concept: Provide comfort and an attractive environment for the race goer.

Function

Goal: To provide a facility that can accommodate up to three times the seating capacity.

Concept: The facility should include additional seating areas in the Paddock and circulation halls, plus the allowance of large masses of people on the infield and the apron.

Function

Goal: Provide for various levels of security.

Concept: Very high security in the para-mutuel system with a secure circulation system.

Concept: Restricted security access to the Backstretch area to assure the safety of the horses.

Concept: Restricted access to certain levels in the Grandstand.

Function

Goal: The facility must include spaces for very large groups but also for individuals.

Concept: The large halls provide for chance meetings while the smaller lounges and clubs provide for planned meetings.

Function

Goal: Flexibility of racing surfaces.

Concept: Provide racing surfaces for a wide range of race lengths ranging from 2 to 12 furlongs.

Form

Goal: Preserve the existing site conditions and views.

Concept: Make use of existing land forms, trees, and views by using existing trees and contours to the advantage of the facility. (terrace parking)

Concept: Situate the Grandstand to take advantage of the distant lake view.

Economy

Phasing of a project such as this is nearly impossible. The Grandstand, Track, and Parking is a single phase proposal and must be built as a whole. The only facilities possible to phase would be the number of stalls in the Backstretch area and not building the horse hospital in the first phase. But, for a first class facility from opening day, I see a large sum of money necessary for construction of the entire project. By racing almost year-round and keeping the Backstretch open year-round as a training facility, I feel that building the entire project will pay for it's self more quickly.

Time

As far as the facilities that will need to be looked at as far as growth and decline, I see almost the entire complex being in the growth range. The only area I could see with a possible decline, is the Para-Mutuel Sellers/Cashiers, with the state of the art computerized totalisator systems, the sellers/cashiers could some day be obsolete. The growth of the other facilities depends on the acceptance of horse racing in the state, which is feel will be very high. Therefore, the Grandstand could possibly expand from 12000 to 15000 seating capacity and beyond by adding additional bays which would allow the support areas and parking to increase also. Furthermore, the stable expansion has been programed to expand from 1200 stalls to 1500 stalls.

Visual Image

The visual image of the site now is natural with no existing structures on or near the site to relate to. Therefore, the image of the facility will be within itself. I feel that the image of the Backstretch area should be low key and blend in well with the existing trees and nature of the site. The Grandstand should be an image in itself, something that grows out of the natural site. Something to be seen from both the lake and the Highway. The parking areas should be terraced to take advantage of the sloping site and to save as many trees as possible.

Buildable Area

The only restrictions on the buildable area on the site are the flood level and the 25' setback along the railroad track. Other than these minor restrictions, the site is open to any development. The logical hierarchy on the site would be the parking closest to Highway 51 with the Grandstand located near the center of the site facing Northeast, and the Backstretch located on the North end to take the greatest advantage of the breezes of the lake. The Grandstand should be oriented so that direct late afternoon sunlight does not enter the viewing side of the Grandstand or produce unwanted glare when viewing the track.

SARATOGA SPRINGS

FACILITY STATISTICS

Acreage	:	350
Tracks	:	1 1/8 mile dirt oval 1 mile inner turf 7 furlong inner turf steeplechase with six jumps 1 mile training track (Oklahoma) 1/2 mile training track in the Backstretch
Parking Capacity	:	5000 Automobiles
Seating Capacity	:	8865 in reserved seating
Largest Crowd	:	42357 at the 1982 Travers
Average Crowd	:	25125 during the 1982 season of 27 race days

INFORMATION BASED ON A VISIT TO SARATOGA SPRINGS ON AUGUST 6, 1983.

Saratoga is the oldest racing facility in the United States, founded in 1864. The racing facility is located in the resort area of Saratoga Springs in Eastern New York state and the track is operational only during the peak tourist season at the Saratoga Spas which is the month of August. Saratoga is a beautiful facility with much tradition. The Grandstand is a wood structure with a roof covering the seating areas and is traditional in design in that it is stretched out along the stretch due to many expansion additions through the years. The Grandstand is made of one sloping level from the Apron to the General Public Hall with the Entrance Hall located under the seating areas on grade level. The Clubhouse is located at one end of the structure and is nearest the finish line. The Paddock is located behind the Grandstand and is easily accessible from most public areas. The saddling is done in an open area with each horse having an oval walking area around some trees. There are also saddling stalls covered with colorful canvas for protection from the elements. Also in the paddock area are outdoor dining areas under open air tents to provide views of the parade ring. Wagering windows are located in the Paddock area, Entrance Hall, General Public Hall, Clubhouse, and the infield. The Backstretch area is very picturesque with the old wooden stable barns intermixed among the trees.

The following is a list of evaluations I have made concerning the racing facility at Saratoga Springs, New York. The conclusions drawn are based on people I have spoken with associated with horse racing, Santa Anita Park in Arcadia, California, Louisiana Downs in Bossier City, Louisiana, and knowledge I have obtained from being a student of Architecture.

GOOD POINTS

Natural shade and green areas in the backstretch area.
No horse - car interaction point from the backstretch to the paddock or track.
Large apron for viewing track.
Easy access to the paddock areas and support facilities.
Loose layout of the support facilities in separate low scale buildings.
Stables have covered walking areas around the perimeter.
Adjoining Harness racing track.
Practice track separate from the main track.

BAD POINTS

Long walk from the backstretch to the paddock and the horses must walk on the track.
No tunnel for free movement to the infield, must cross wood platform before the race.
Lack of facilities on the infield.
Lack of immediate parking facilities, must use the Harness track as an overflow.
Practice track very remote from the backstretch and the horses must cross a street.
Grandstand is facing almost directly South.

Facilities

Training Track

Parking Areas

Paddock Area

Admissions

Grandstand

Clubhouse

Apron

Main Dirt Track

Main Turf Track

Steeplechase Course

Infield Facilities

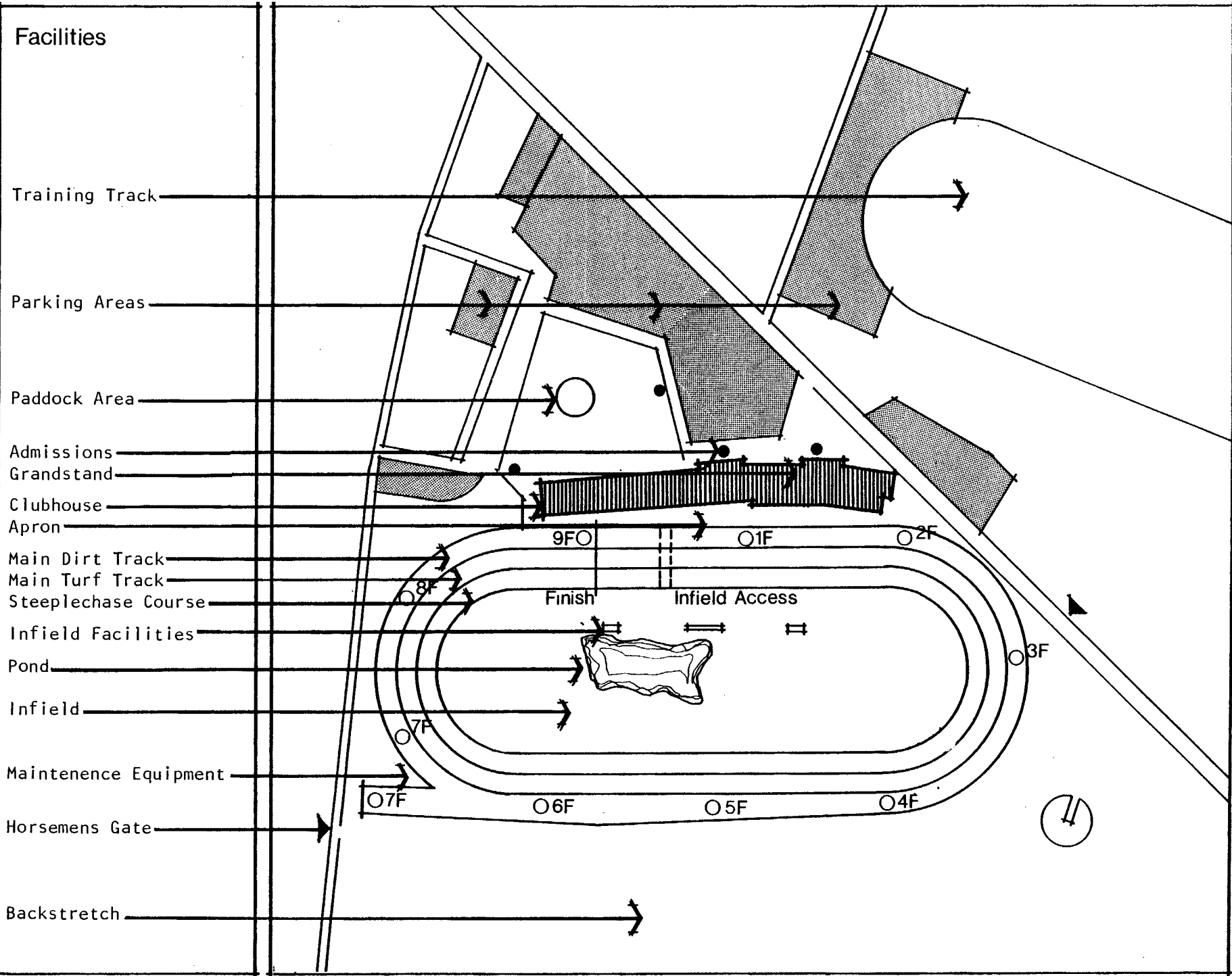
Pond

Infield

Maintenance Equipment

Horsemen's Gate

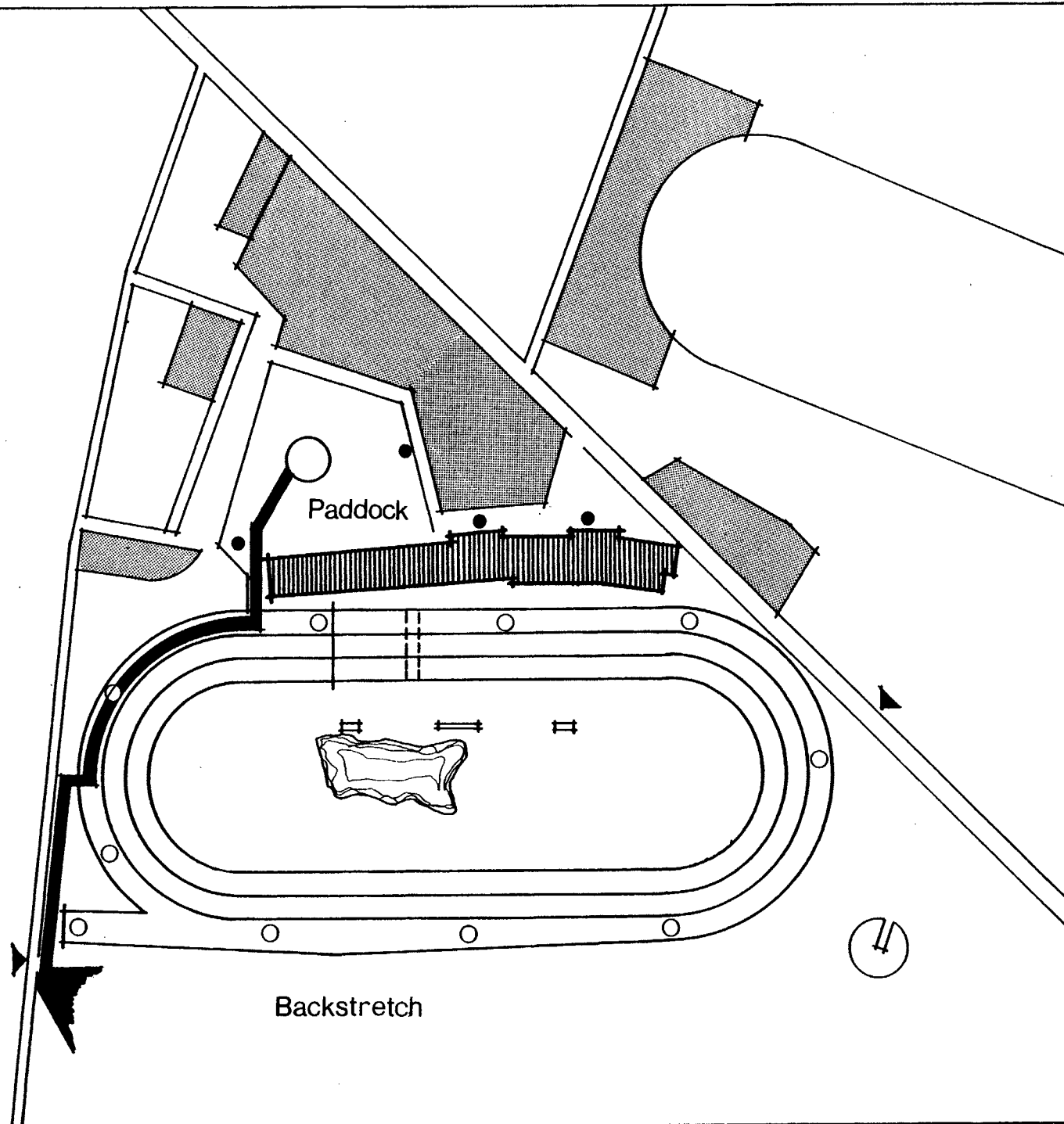
Backstretch



Cherokee Downs Horse Racing Facility

Horse Circulation

The horse circulation from the Backstretch to the Paddock is not the most economical. For instance, some horses at the far East end of the stables might have to walk up to 1 mile just to reach the Paddock area. Once the horses get to the Southwest corner, there is a pleasant tree lined walk to the middle of the first turn. Then the horses must walk on the main racing surface to the Paddock area and then cross over the walkway leading from the main admissions gate. Therefore, the horse circulation is not the best example and if the backstretch was located closer to the Paddock, most of these problems would be eliminated.



SANTA ANITA PARK

FACILITY STATISTICS

Acreage	: 323 acres
Stable Capacity	: 1744 horses
Tracks	: 1 mile dirt oval 1 3/4 mile downhill turf course 7 furlong oval inner turf course 6 furlong oval inner training track
Parking Capacity	: 22000 plus overflow areas with shuttle service
Seating Capacity	: 22000
Opening Day	: 68000
Average Crowd	: 32000, largest in the United States

INFORMATION IS BASED ON A VISIT TO SANTA ANITA AND AN INTERVIEW WITH AUTHUR HERSHEY ON AUGUST 16 , 1983.

Santa Anita was opened in 1934 and is in the architectural style of the Art Deco period. The facility is very large, with beautiful grounds, and a nice backdrop in the San Gabriel Mountains. The Paddock area is located behind the Grandstand next to the main admissions gate and is layed out in a formal gardens with flowers, fountains, and benches for public enjoyment. Just off of the Inrance Hall there is a display of Clydsdale horses and equipment provided by Budwiser to pull the starting gate around the track to various chute lengths rather than the use of a tractor, nice idea. Horses enter the track between the Grandstand and the Clubhouse and the top five finishers exit this way through the Paddock area while the other horses go directly to the Backstretch. The Grandstand is roofed and open air, and similar to Saratoga Springs, stretches along the stretch on in one sloping level from the Apron to the General Public Hall. The Clubhouse is one the East end an is organized on four levels of different quality seating types. Similar again to Saratoga Springs, Santa Anita has been built in sections as the need for expansion was needed. As an interesting note, Santa Anita has been selected as the site for the equestrian events of the 1984 Olympic Games.

General Information on Santa Anita Park

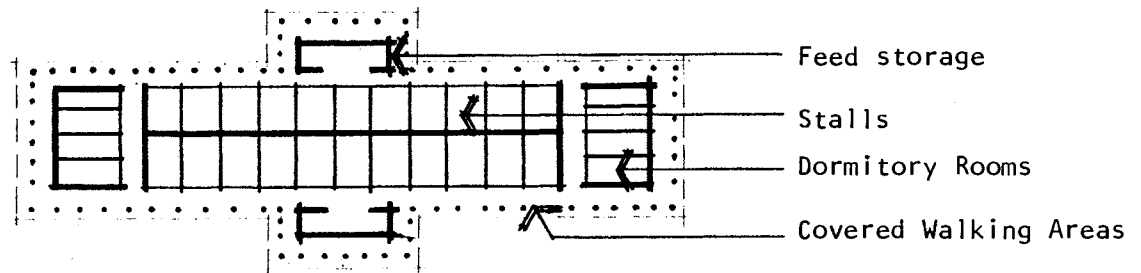
Racing facilities are broken down into 4 basic divisions:

1. Stables
2. Parking
3. Grandstand
4. Racing Surfaces

1. STABLES OR BACKSTRETCH

A. Barns

1. 30 - 40 stalls per barn
2. minimum of 2 tack rooms per barn
3. 2 feed rooms per barn
4. 4-5 rooms at the end or above each barn
5. Showers and toilets at each barn
6. During the season, approximately 1 person per horse minimum



2. PARKING

A. Attendance determines parking needs

1. 1 space for every 2 1/2 persons

B. Most facilities have general, preferred, and valet parking

1. Must provide for nearby overflow parking at areas such as public parks, churches, and schools with a shuttle service to deliver the people.

3. GRANDSTAND

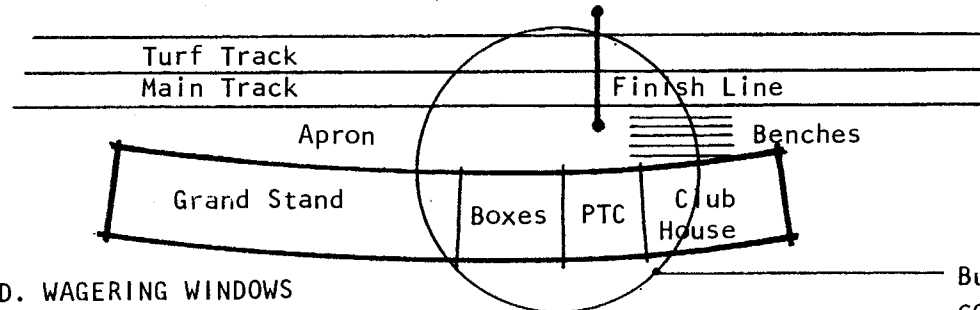
A. Total Reserved Seating 20000

1. Reserved General Admission 11000 public, 1 level
2. Clubhouse 4000 public, 2 levels
3. Boxes 3000 preferred, 4-8 seats per box, 2 levels
4. Private Turf Club 2000 private, 4 levels

B. Additional Seating areas

1. Apron, for standing or use with lawn chairs
2. Infield, standing or benches
3. Restaurants
4. Paddock Area, benches and standing

C. If daily attendance is 20000, there will be approximately 10000 seated in the Grandstand at one point and 10000 elsewhere.



D. WAGERING WINDOWS

1. Based on the normal biggest crowd
2. Santa Anita has 800 wagering windows with 725 clerks on big days
3. 32000 average attendance, 55000 is the normal biggest
4. 1 window per 69 people on the normal biggest
1 window per 40 people based on average attendance.

E. FOOD CONCESSIONS AND BEER

F. REST ROOMS

G. SEPARATE LIQUOR BARS

H. PUBLIC SPACES AND HALLS

1. No excessive pillars under the Grandstand to keep openness and views
2. T.V. Monitors
3. Tote odds boards
4. Program sales and gift kiosks

4. RACING SURFACES

A. 1 mile dirt oval main track

1. Approximately 3/16 of a mile or 1000' stretch
2. 80'-0" wide on the stretch

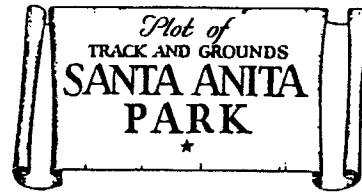
B. 1 3/4 mile downhill turf course

1. modeled after a European tradition for horse racing.
2. The last 7 furlongs of the turf course are oval and located inside the main dirt track.

C. 3/4 mile hard pack training track

1. Located inside the turf oval enclosing the infield
2. Used to be located in the area shown on the plan as Fashion Park.
3. Authur Hershey strongly recommended not having the training track in this area due to the conflicts that might occur and visually it would be nicer if it was located in aother location, preferably closer to the backstretch.

Public Areas



Infield Entrance

Infield

Infield Tunnels

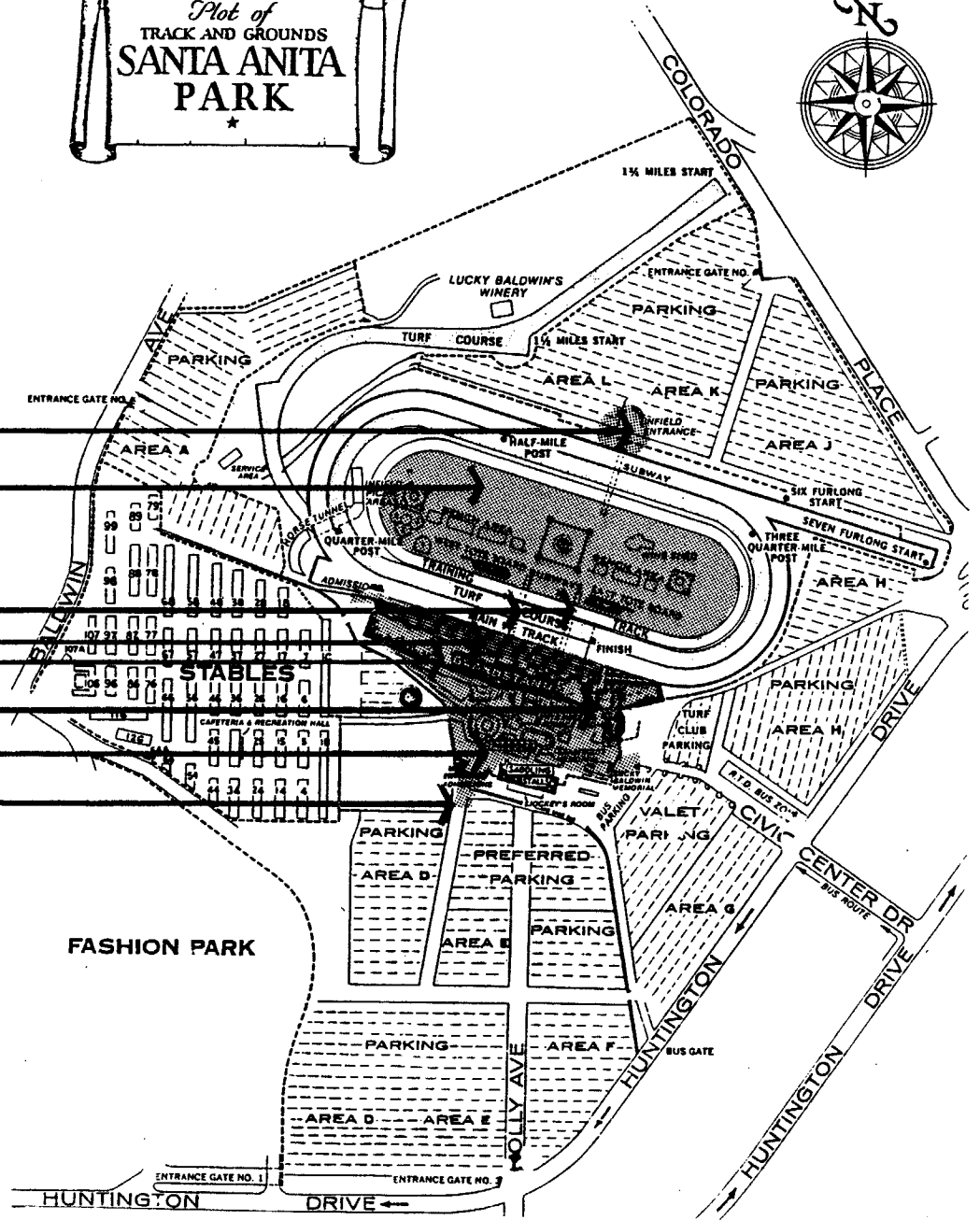
Apron

Grandstand

Clubhouse

Paddock Viewing Area

Main Admissions Gate



Horse Areas



Turf Hill Course

Main Dirt Track

Turf Track

Training Track

Horse Tunnel

Backstretch

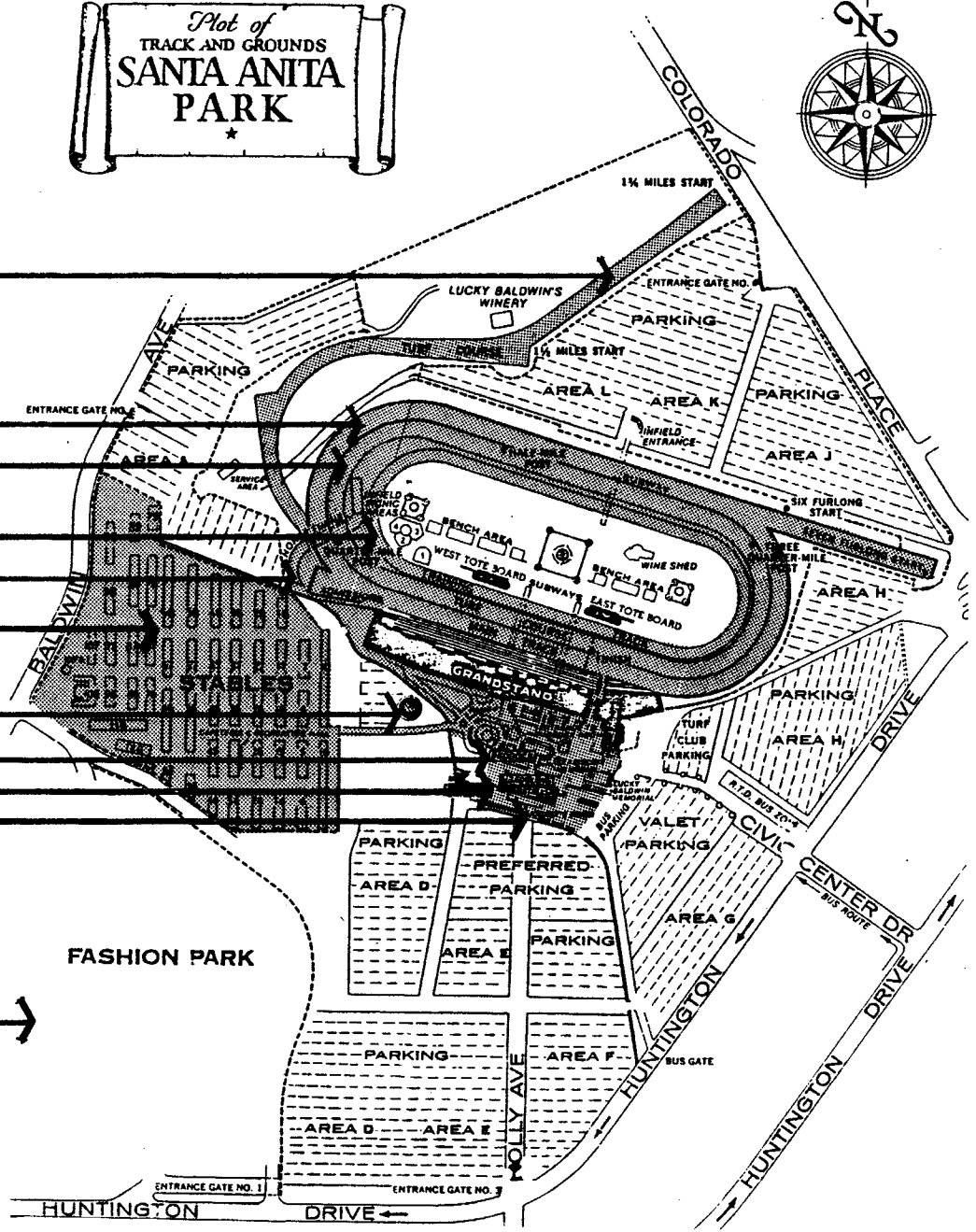
Examination Area

Paddock

Saddling Stalls

Paddock House

Used to be 83 acres of additional Backstretch and Training Track.



LOUISIANA DOWNS

FACILITY STATISTICS

Acreage : 280
Tracks : 1 mile dirt oval
7 furlong turf
Parking Capacity: 10000 autos
Seating Capacity: 10250 in the Grandstand
5000 in the Bleachers
Average Crowd : 11303
Opening Day : October 1974
Season Length : 125 days

Louisiana Downs is located in Bosier City, Louisiana on a 280 acre plot bounded by three highways. The complex includes a 10 fulong track, stadium, paddock house, backstretch, and parking for 10000 autos. The stadium is made up of 8 levels with a seating capacity of 10250 and a total standing room capacity of nearly 30000. The facility is fully air-conditioned and contains 3 public levels, Penthouse Suite level, 2 level pressbox, and intermediate levels containing the Administration area, Boxcar, and a fully equiped kitchen. The Grandstand size is deceiving with the overall height of approximately 10 stories, and the overall length of 500'. The building module is 16' and is based on the Clubhouse Boxes with the major structural members being 32'-0" on center.

Good Points

Fully Air-conditioned
No columns to obstruct the view of the track form the seating area.
Penthouse suites (first facility to offer privately owned suites).
Jockey Club
Roof garden entry to the Administrative offices.

Facilities

Horsemen's Parking

General Parking

Entrance Gate

Backstretch

Grandstand

Paddock

Employee Parking

Finish Line

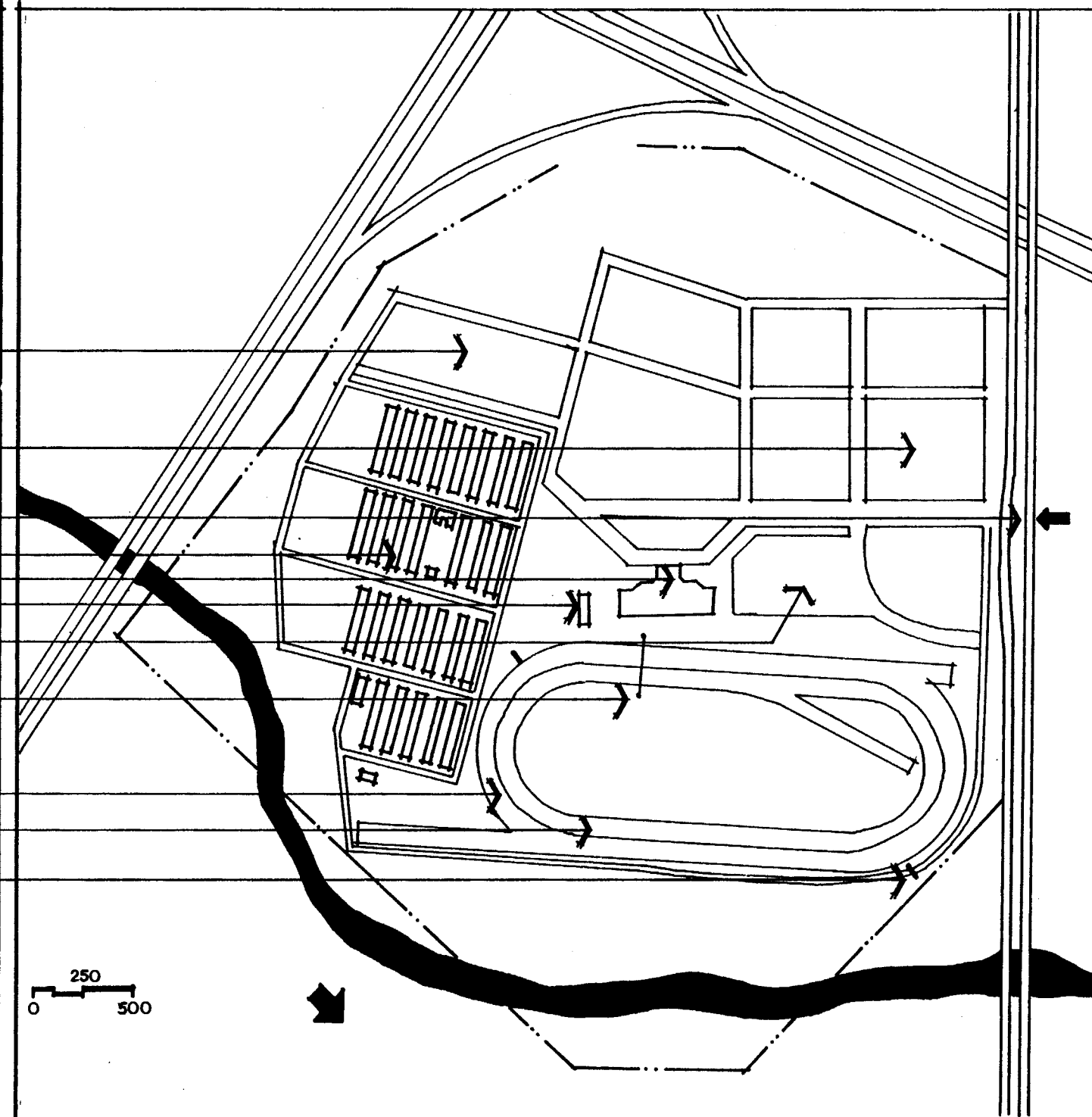
Main Dirt Track

Turf Track

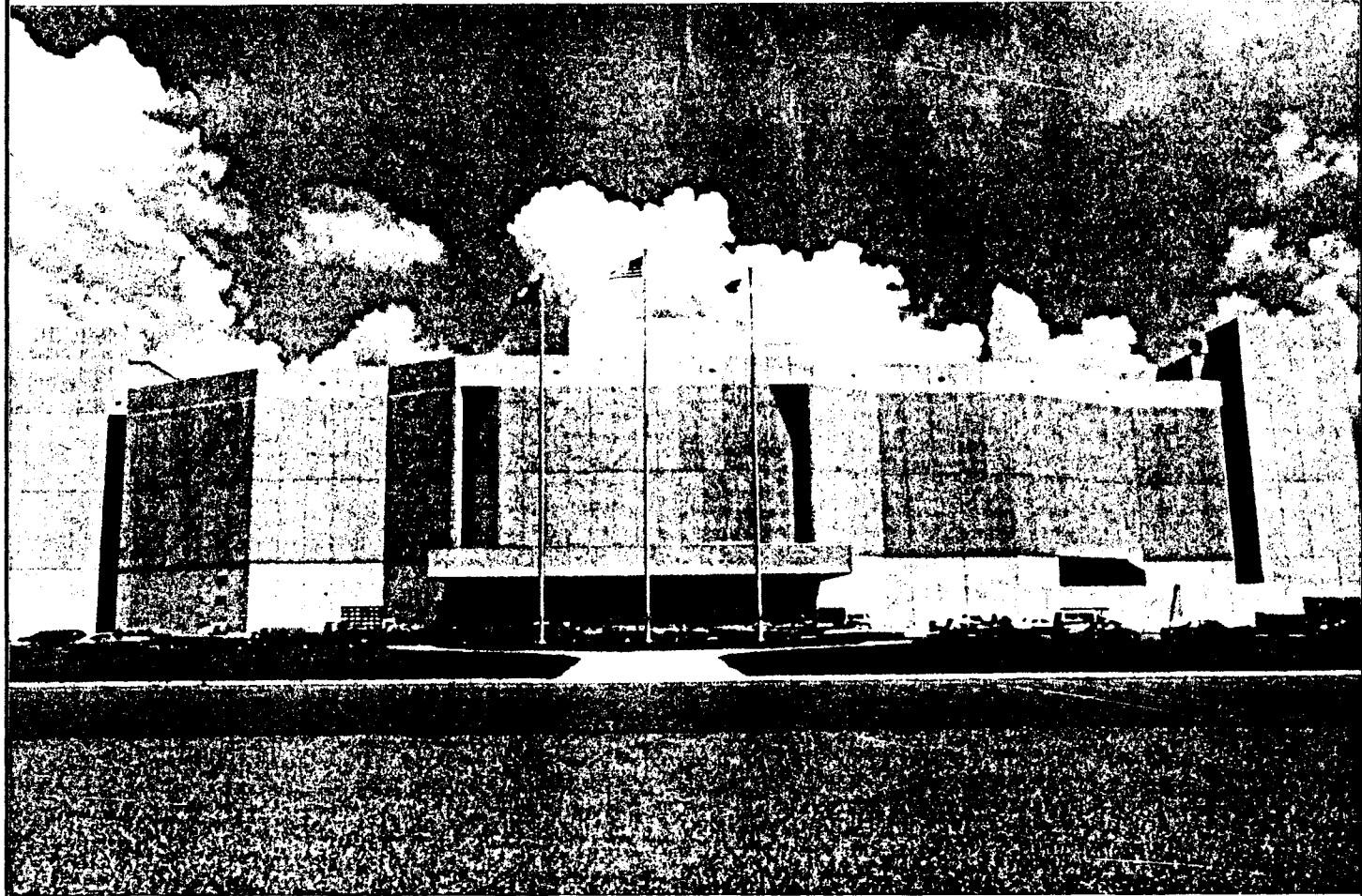
T.V. Tower



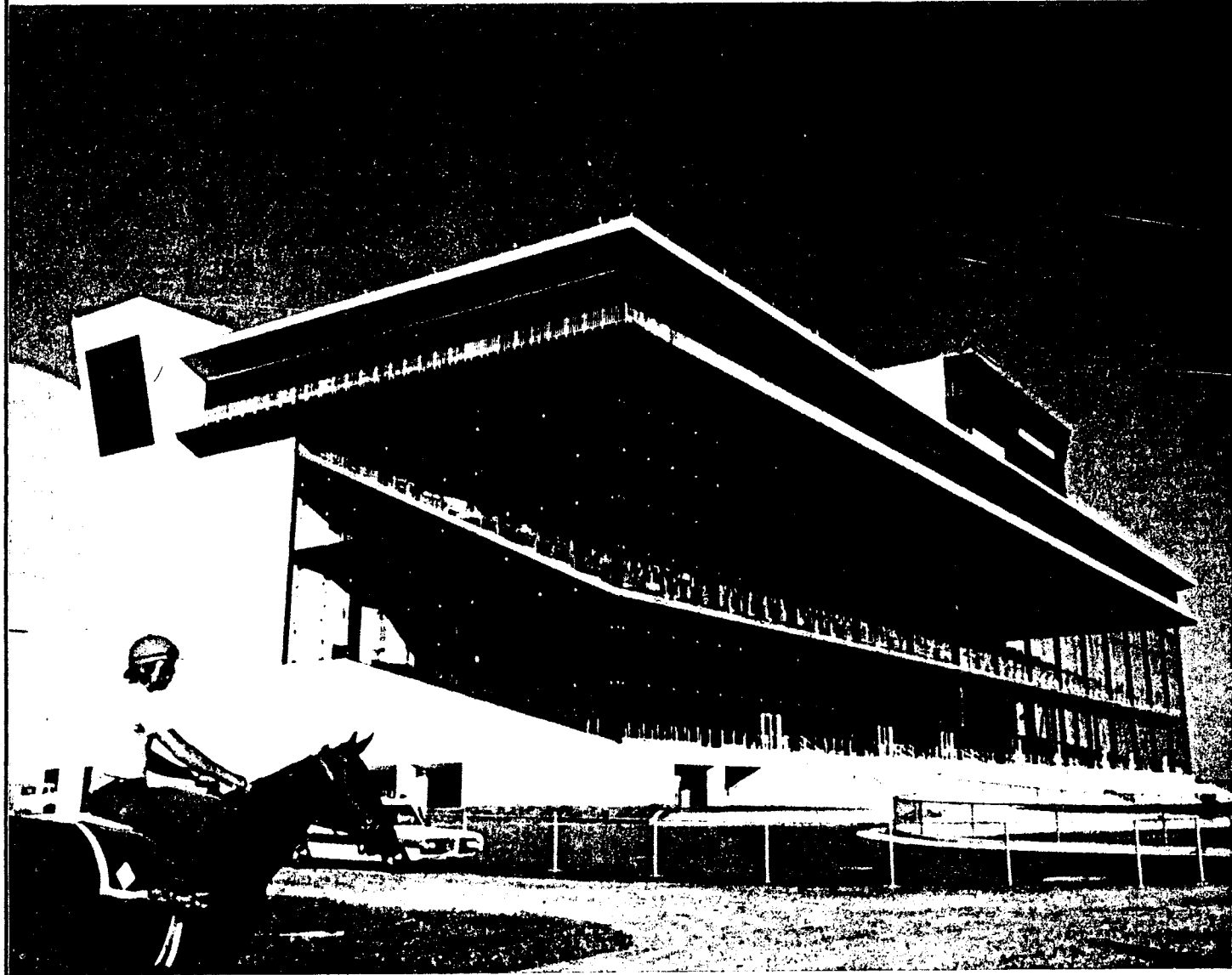
Cherokee Downs Horse Racing Facility



Entry Facade

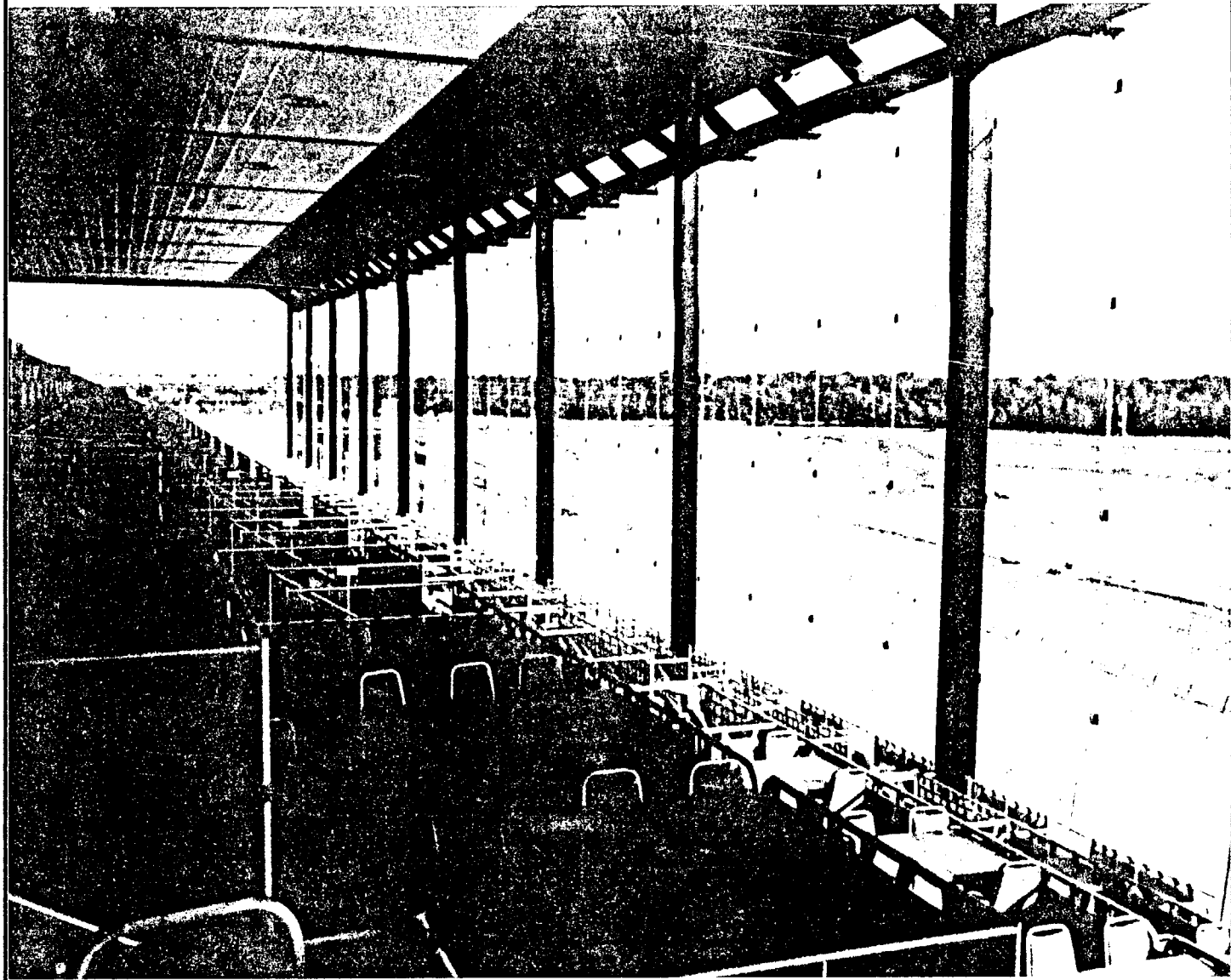


View from Track



Cherokee Downs Horse Racing Facility

Table Seating

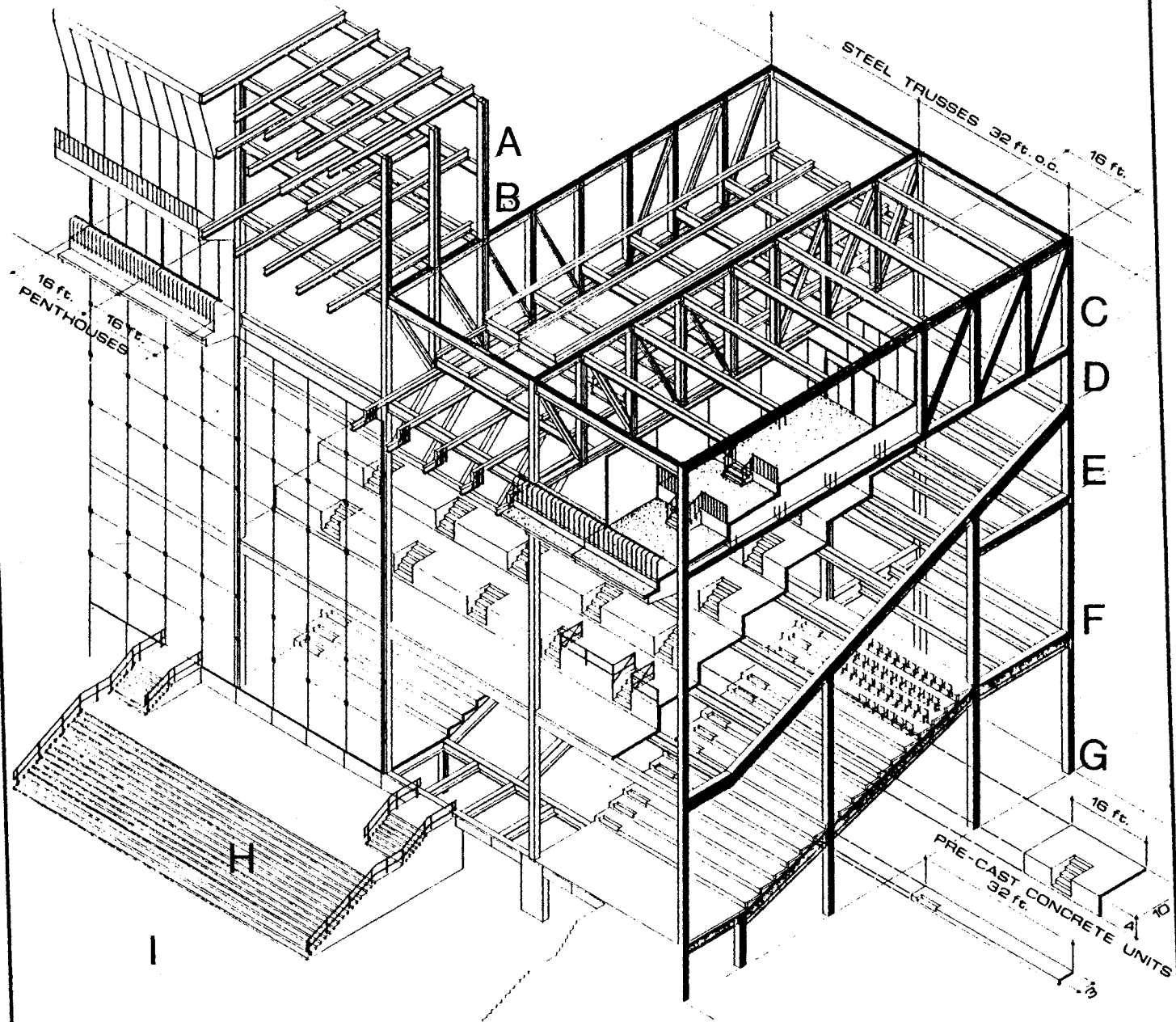


Cut-Away Isometric

The basic structural system is large steel trusses at 32'-0" on center with secondary divisions at 16'-0" on center which is the base dimension for the Clubhouse Boxes. The glass facade panels are 8'-0" on center and are suspended from the roof.

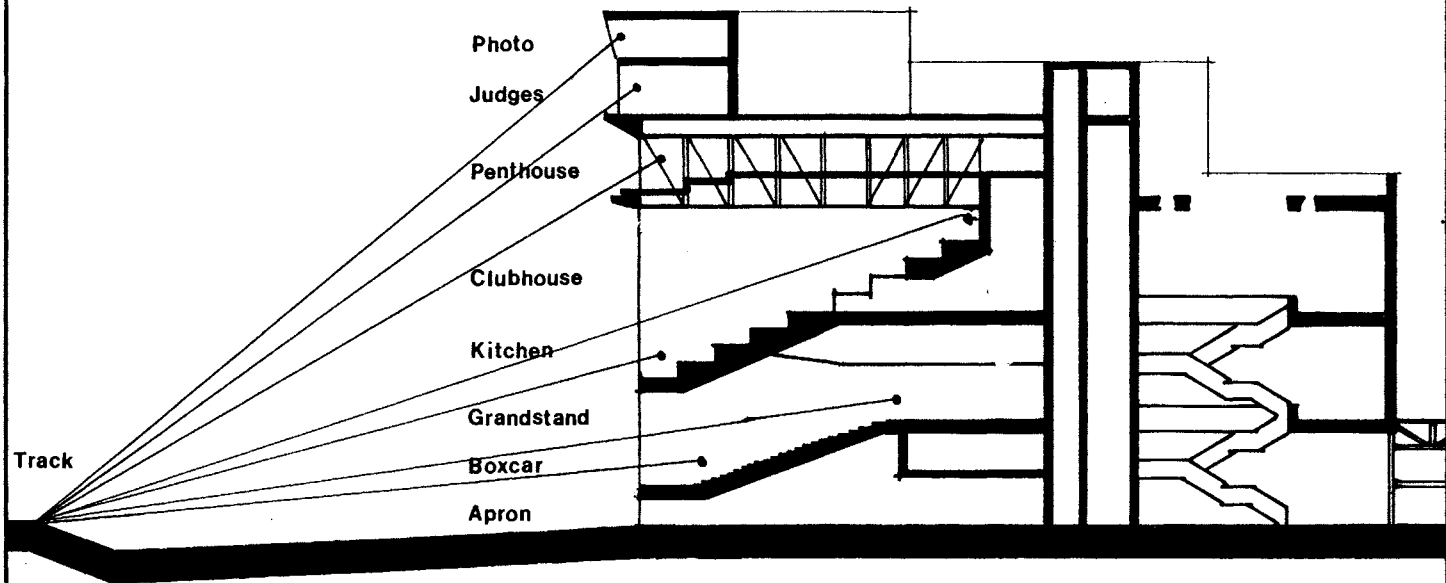
Area Designation

- A. Judges Level
- B. Pressbox
- C. Penthouse Suites
- D. Club Level A
- E. Club Level B
- F. Grandstand level
- G. Lower Concourse
- H. Bleachers
- I. Apron

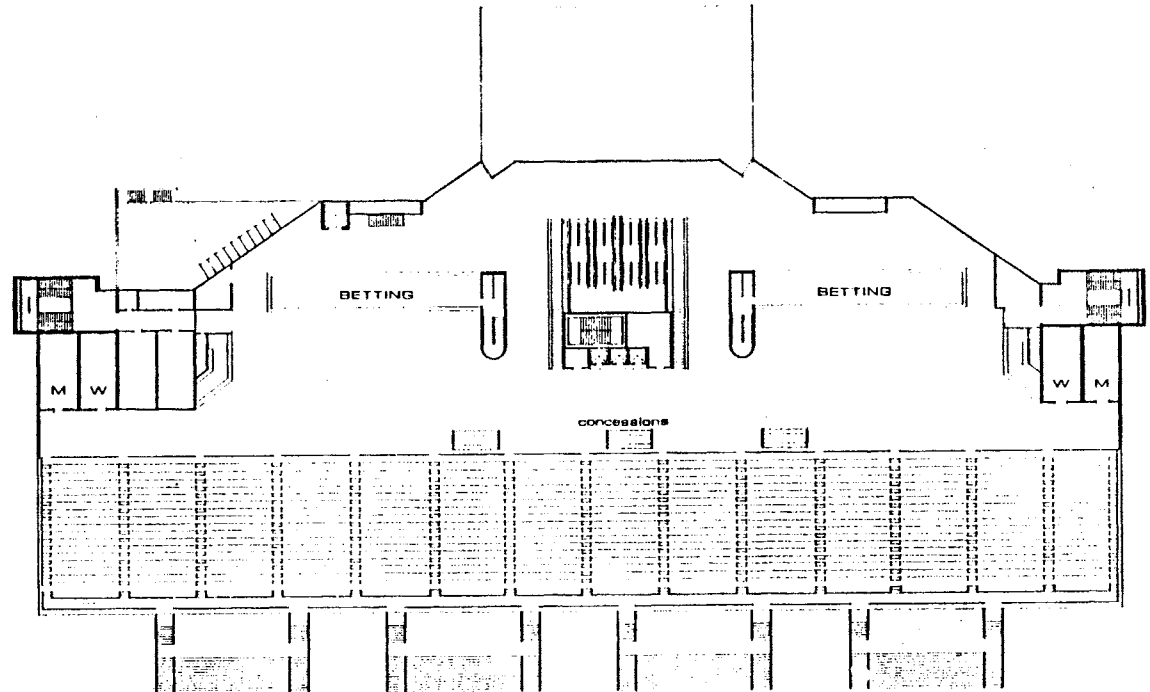


Cherokee Downs Horse Racing Facility

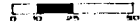
Grandstand Section



Grandstand

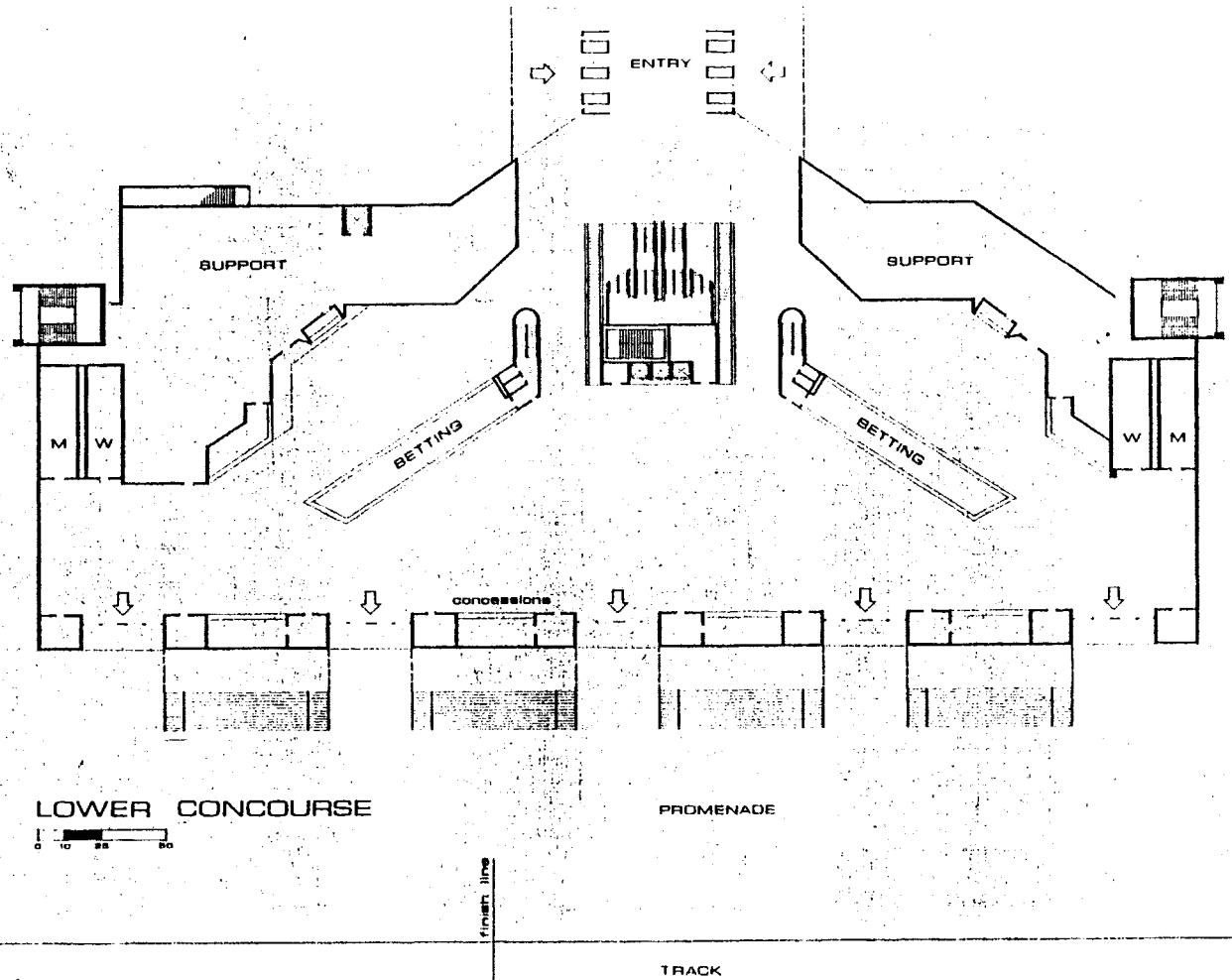


GRANDSTAND



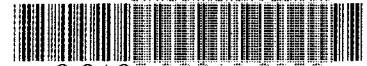
finish line

Lower Concourse



Horse racing has an extremely long history with it's origins being in York, England during the Roman occupation. From that point on the "Thoroughbred" horse began to be perfected from a diverse history of Arabian Horses and the English or Northern Breed. It wasn't until the middle of the 18th century in New Market, England, that the first association of principle owners and breeders formed the first Jockey Club. The Jockey Club formed it's headquarters at New Market, England and developed the English Turf Institutions that would become models for the rest of the world. About 1790, the Handicap was first introduced. The handicap was the addition of weights to certain horses and riders by appointed officials to make the outcome of the races more even and thus making wagering more appealing to the masses. The most important development came in the late 18th century with the development of the Classic Horse Race. This was the supreme test for breeders to develop Thoroughbreds capable of excelling in races ranging from 1 to 1 3/4 miles in length. The first full-sized American race track was laid out in 1665, on Long Island to hold races modeled after the English. Later in the 1690's, 1 mile oval tracks began to spring up in Virginia on impoverished tobacco land. Virginia started to become very rich and horse racing and breeding began to grow very rapidly. As a further development, the men of Virginia and North Carolina developed a special breed of horse that excelled in the quarter mile, this breed, the American Quarter Horse, is unmatched even today at races of these short distances. During the late 1700's, with the colonization of Kentucky, horse racing and breeding grew like wild fire, since the Kentucky Blue Grass is considered the best in the world for grazing purposes. From 1800 on, horse racing grew very rapidly with horse racing facilities springing up all over the country. The first of these racing facilities was built in Saratoga Springs, New York in the year 1864. There is very little to no information available on the history or even general information on racing facilities.

OKLAHOMA STATE UNIVERSITY LIBRARY



3 6135 00010 6858

Cherokee Downs Horse Racing Facility