ARCHITECTURAL THESIS
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A HOTEL/CONVENTION/CIVIC CENTER
FOR PARKERSBURG, WEST VIRGINIA

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Parkersburg International
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Foreword

Architectural programming is divided into two phases: schematic programming and detailed programming. The first phase involves large amounts of information which must be analyzed to separate relevant facts from the less important details. The second phase provides the information needed to develop and refine the design. This particular program is to be schematic in nature dealing with a comprehensive overview of the project topic.
Parkersburg International

Project Statement
Scope of Project

The primary intent of this project is to provide the metropolitan area of Parkersburg with a successful activity generator. To best achieve this, Parkersburg International will first generate activity of all levels within itself. This will not solve all of the problems of the Parkersburg area, but rather create a new and totally exhilarating experience.

The level of comprehensiveness attainable in the design of this project is limited by two factors--scale and time.
Context

The city of Parkersburg and Wood County have been experiencing tremendous growth recently. Route #2 has been redirected through the city as a four lane limited access highway. A large shopping center has recently been completed on the northern side of the city by the Ohio River. The central business district has just dedicated a ten story office tower.

The advent of these amenities came about only because of the initiative and leadership of the city. However, the city does not have a decent hotel; the only suitable guest facilities being in small Holiday Inn or Best Western Motels. These facilities are not in close proximity to the C.B.D., and therefore cannot lend a significant generation of activities to it.

Parkersburg International, even though outside the city limits, will be only ½ mile from the courthouse in the center of the downtown area. Its being multi-functional, especially civic, in nature will be a tremendous asset to the continuing growth, and diversification of the city.
Proposal

Parkersburg International is to be a full service hotel complex consisting of 350 guest rooms, a health club and swimming pool, retail shops, executive office space, exhibition hall/arena, restaurant and cocktail lounge, and a small rotating Surf n' Turf restaurant utilizing the best possible views. The complex is to be designed in such a manner that it will offer more than just efficient service—it must attract patrons for the sheer joy of being within its confines. To facilitate this type of reputation, it would be necessary that the hotel affiliate with a prestigious chain of hotels and therefore obtain the management expertise necessary for the success of such a facility.

The Ohio and Little Kanawha Rivers have long been neglected as a natural amenity to the city's aesthetic potential. Fort Borman Hill offers tremendous vistas of the rivers and all of Wood County.
Market

By siting Parkersburg International on Fort Borman Hill, it becomes part of downtown Parkersburg, a two minute drive, although it's just outside the city limits. The population of Parkersburg has demonstrated a dynamic initiative to bring about a civic/convention facility--as a source of public pride as well as continuing the generation of growth within the region. Mountain State College and the Parkersburg Branch of the University of West Virginia are a generating factor of need for the facilities proposed in Parkersburg International. Athletic events, music hall programs, alumni conventions, continuing education programs, weekend and holiday events, faculty seminars, visiting relatives, etc. are all generated by these schools and exhibit potential in the hotel market.

With the establishment of respectable restaurants, a generous portion of the retail trade area could conceivably become frequent patrons. (The 1980 estimated population of this area is 110,000 by Parkersburg Chamber of Commerce.)
Commerce projections. The general public would also visit Parkersburg International for numerous other reasons among which would be to enjoy a leisurely lunch while shopping or working; to visit the health club for a workout or swim; to keep a business appointment; attend conferences, conventions, and balls; to get a drink; enjoy the live entertainment in the lounge; relish a concert or theatrical production in the little theater; attend basketball or hockey games, ice capades, Shrine Circus or even Johnny Cash performances in the main arena! The opportunities for a facility of this type are nearly unlimited.

Because Parkersburg lies 60 miles north of Charleston on National Interstate 77 and also on U. S. Highway 50 to Washington, D.C., it is also provided with the potential market of highway travelers. The percentage of this type guest will depend upon the ease of access to, and the spread of advertising of Parkersburg International's unique environment.
Accessibility

Parkersburg is accessible by three major means of transportation: air, rail, and highway. The most extensive of these systems is, of course, the highway network. Parkersburg is serviced by one interstate, one national highway, and three state highways. It also has one small craft airport and one large air field with commercial jet traffic (Parkersburg--Marietta). A regular inter-city bus service, and an irregular passenger train service is also maintained. Intra-city river travel is available from Pittsburg to New Orleans on an irregular schedule from Parkersburg.

Parkersburg International will be immediately accessible by car, rail, bus, (both inter- and intra-city) and river and only a few minutes away from the airport (via Hotel Limousine). Its most distant contributor would be I-77 directly connected by National Highway 50. The primary local access is State Highway 2; a new 4-lane limited access highway through Parkersburg.
Objectives

There are four basic considerations in the establishment of project goals and objectives. They are: form, usually a quality statement referring to the general character of the physical and psychological environment of the project; function, how will the project affect the activities or processes to be housed; economy, establishes the limit to available funds; and time, establishes the project schedule, anticipated growth and change.

FORM

The major goal of most buildings is to respond effectively to its user's wants and needs. Parkersburg International shall attempt to go beyond these common goals and avoid the dreary predictability of current hotel facilities. The major goal of Parkersburg International shall be to create a humanistic environment that encourages the gathering of people and thus provides the community with a focal point of activity generation.
Some additional form related objectives are:

--Make a significant contribution to
the community socially, economically,
and aesthetically.

--Honor and enhance the context of the
environment.

--Allow adequate provision for future
expansion and/or change potential.

FUNCTIONAL GOALS

--Exploit dualities of space use where feasible.
--Provide an environment that pays close
attention to humanistic details through the
use of art, vegetation, water, colors, etc.
--Supply a reasonable degree of built-in
flexibility to account for changing social
standards and varying clientele.

--All measures of automation that will curtail
manual service tasks and will not decrease
quality should be employed.

--Facilities should easily accommodate handicapped
persons.

--A stimulating interface with the river/views
should be developed.
TIME GOALS

With the passage of time and increased familiarity with the facilities offered, expansion may become a desired alternative. A well-designed facility will initially provide a sufficiently flexible system to accommodate, integrally, additional structure. The initial structure, however, should in no way be hindered by this provision. Simply, for the building to be successful it must easily accommodate both growth and/or stability.

Hotels are amortised usually within 30 to 35 years, but are built for a very much longer life. Changes occurring in the locality during this period may exert a strong influence on the viability of the hotel and, therefore, require alterations to be made. The choice of a module and a structure that can be adapted to other users might, consequently, become essential.

ECONOMY GOALS

In order for a hotel to achieve the greatest return for each dollar invested it must attain a dual goal:
1) It must be designed and built so that the management and the "back-of-the-house" functions with impeccable efficiency, and,

2) of primary importance, it must make the guest feel completely comfortable and at ease from the moment he walks in the entrance until he enters his vehicle of transportation and rides away.

A sound rule-of-thumb states that for every dollar of income per room, $1000 should be spent in the construction of that room. The term "room" is used figuratively, and that it absorbs a proportional cost for the rest of the hotel.
Independent Building Determinants
User Groups

CUSTOMERS

Hotel Guests
Shoppers
Diners
  --Formal
  --Informal
Health Club Members
Fraternal Organizations
Spectators
  --Basketball
  --Ice Hockey
  --Ice Capades
  --Shrine Circus
  --Horse Shows
  --Theater
  --Concerts
  --Jazz Bands
  --Boat Show, etc.
  --Tennis Tournaments

RENTERS

Small professional firms
Retailers and Boutique operators
STAFF

Hotel Administrators
Maintenance Personnel
Security Personnel
Kitchen Crews
Maids and Porters
Health Club Personnel
   --Lifeguard
   --Masseurs
   --Manager
Parking Attendant

INDIRECT

Bus Drivers
Taxi Drivers
Intra-city Buses
Delivery Men
Garbage Men
Equipment Maintenance Men
Emergency Personnel

Non-User Constraints

All building construction work, alterations, or mechanical installations and appliances connected therewith shall comply with the State Building Rules
and Regulations, local ordinances, and other such statutory provisions pertaining to this class of work.

OTHER

In addition to building codes there are other significant constraints, beyond those imposed by the user, that will control the design, construction, and occupancy of a public facility. The following are some of these constraints:

1) Public Works Administration
2) Existing Utilities
3) Site and Access Conditions
4) Neighboring Structures
Parkersburg International

Building Functions
Hotel

The primary function of a hotel has not changed from the earliest recorded hostelry to the present-day motel—the provision of "bed and board" in a pleasant environment. Aside from the guest room space there are two distinct divisions of service: front-of-the-house services and back-of-the-house services. These two functions must be kept separate but interrelated so that both function smoothly and efficiently.
Guest Rooms

The design of guest room space is of utmost importance for it is the prime product of any hotel. The revenue lost from a room that is not sold can never be recovered. It is, therefore, mandatory that the comfort and convenience of each room be sufficient to satisfy the most particular of guests.

There are many different types of rooms offered in the hotel field today. From a survey of these room types and interviews with hotel managers, I have arrived at the following room types as most relevant to the Parkersburg Market.

Studio Room

The purpose of a studio room (in addition to being a bedroom) is to enable the guest to use his room as a true sitting room to entertain friends or contact business. These rooms may double as sitting rooms creating two-room suites by adjoining them to a normal bedroom. Thirty of Parkersburg International's 350 rooms will be of this type.

Size: Individual Room Area---350 sq. ft.
Total Studio Room Area----10,500 sq. ft.
Furniture and Accessories

Dual bed/couch, davenport with fold-out bed, or hide-away double; coffee table; two lounge chairs; planter(s); clothes dresser; automatic drink dispenser (centrally records and adds to room bill); mirror; and items common to all rooms.

Traveling businessmen and conventioners with an average stay of two or more nights.

Permanent Suites

Business travelers and conventioners will want a good-sized suite, fairly large cocktail parties, business presentations, and other forms of entertainment. These rooms may also double as seminar or conference rooms if other facilities are occupied. Parkersburg International will have ten such rooms supplied with the necessary furnishings to make it a top quality product.

Furniture and Accessories

Davenport (1 or 2); dining table; desk; lounge chairs; coffee table(s); bar/kitchenette unit (automatic, centrally-controlled); double bed (fold-up); and items common to all rooms.
Primary Users

Affluent travelers, newlyweds, large families, and business representatives.

Size: Individual Room Area---400 sq. ft.
Total Permanent Suite Area---4,000 sq. ft.

Conventional Single and Double

These two room types provide for approximately 90% of the guest rooms in the hotel and differ only in the number of beds provided. A single room has one double bed and a double has two double beds replacing the more common single and twin-bedded room in an effort to create greater flexibility of use.

Furniture and Accessories

Two lounge chairs; coffee table; 1 or 2 beds; plus items common to all rooms.

Primary Users

One adult, two men or women desiring separate beds, couples, families with one or two children.

Size: 75 conventional singles---250 sq. ft.
Total Conventional Singles---18,750 sq. ft.
235 Conventional Doubles--------350 sq. ft.
Total Conventional Doubles---82,250 sq. ft.
Common Facilities

The following spaces and accessories are common to guest rooms of all types unless otherwise noted.

- closet space and entrance foyer
- luggage rack
- chest of drawers
- living and sleeping areas
- radio, TV, phone, message indicator light, intercom for early call, room status, and mirrors, carpeting, environmental controls (lighting and HVAC)
- planter(s)
- lounge chairs
- desk and chair

Bathroom Facilities

The traveling public is very conscious of bathroom accommodations and ample consideration should be given to this facet of room design.

- wall-hung silent-tank type water closet is most expedient in terms of noise and cleaning.
- 5'6" tub/shower unit
- tissue dispenser, hot beverage unit
- towel racks, etc.
--sink and counter space

General

A minimum level of sound transmission must be maintained between all rooms; this is of peak concern in the implementation of adjoining doors. Lighting systems should provide sufficient general and task illumination to support all of the guests' activities and the climate of each room shall be locally controlled.

The use of single beds has been avoided because, for a few more initial dollars, a double bed can be purchased and the flexibility of each room greatly increased. A double bed, in this program, refers to a bed 5' by 7' accounting for the increased height of the average American.

Guest Floor Service Space

--maid's cart storage (1 maid and cart/19 room maximum)
--porters' closet
--linen closet
--room service cart storage
--service elevators and storage
--trash and linen chute

Note: it is possible to have these service
spaces in one central (service) area.

Other: Stairs, hallways, partitions, elevators, etc.

Estimated service area at 20% of Total

Guest room square feet---------23,100 sq. ft.
Total guest room-------------138,600 sq. ft.

General Data and Approximations (Based on 350 Rooms)

Average number of rooms/floor---18/19 or 36/38
Typical floor area-------8,000 or 16,000 sq. ft.
Recommended number of guest elevators--------3
Recommended number of service elevators-------2
Average building height--------18 or 9 stories
Average ground floor area-------30,000 sq. ft.

Circulation

General

The four main generators of hotel circulation are customers, staff, deliveries, and mechanical service systems. The key to efficient planning is to effectively segregate the routes of the four generators.

Vertical

Passenger elevators are an important element in hotel atmosphere. They are the link
between transitional points from the lobby to each guest-room floor and provide an excellent opportunity to give an unsuspecting guest an unusually exciting experience.

All passenger elevators should be within clear view of the registration desk so that proper service and control can be administered. The number, size, and speed of these elevators are best determined by the elevator companies themselves. Elevator foyers should be centrally located on each guest-room floor.

Horizontal

The primary routes of horizontal circulation are the guest-floor corridors. These hallways should not be over 100 feet long and from 5 to 6 feet wide. It is preferable to recess the guest-room doors to give each room entrance a sense of privacy and individuality. Lines of communication should be visually clear to avoid confusion and complemented by an efficient system of graphic signage.

Guest room space sub-total———138,600 sq. ft.
Reception

Front of the House

The "front of the house" comprises all those areas that the guest will see: lobbies, lounges, dining rooms, pool, elevators, retail shops, theatre, arena/exhibition hall, hallways, restrooms, hotel rooms, etc. These spaces sell a hotel and are imperative to the reputational development of Parkersburg International.

Front Desk

The front desk must be immediately visible as one enters the hotel lobby.

--Registration/cashier 400 sq. ft.
--Mail and keys 50 sq. ft.
--Bell captain's office 50 sq. ft.
--Safety deposit
   (boxes and exam room) 100 sq. ft.
--Reservation office 150 sq. ft.

Administration

--Manager's office 150 sq. ft.
--Assistant manager's office 120 sq. ft.
--Food and beverage manager's office 100 sq. ft.
--Banquet manager's office 100 sq. ft.
---Convention manager's office  100 sq. ft.
---Cashier's office  100 sq. ft.
---Secretary's office (vault and files)  400 sq. ft.
---Records storeroom  300 sq. ft.
---Reproduction room  100 sq. ft.
---Conference room  150 sq. ft.

Lobby

Special attention shall be directed toward the design of this space; for it will create the first and usually most lasting impression of the hotel.

Lobby area---------------4,375 sq. ft.

Lounge

---Lounge area  2,500 sq. ft.
---Men's toilet  500 sq. ft.
---Women's toilet  300 sq. ft.
---Women's restroom  300 sq. ft.

Front of the house sub-total----10,345 sq. ft.

Food and Beverage Service

This area includes all eating and drinking services of the complex (excluding vending machines). The formal main restaurant will be accompanied by a cocktail lounge with
live entertainment and an open-air cafe for informal meals. This main dining room shall have a capacity for 350 diners and the option of extending food service into the banquet hall(s) when business is especially heavy. The cafe will have a capacity for 120 table seats and 30 counter seats.

A banqueting hall/diner/theatre/concert hall and 2 private dining rooms will also be provided for use by conventions, University functions, fraternal organizations, dinner clubs, wedding receptions and local groups.

A small and extremely unique steak restaurant having a capacity for 150 diners shall be located so as to have the best views of the city, rivers, and surrounding countryside.

A small grilling kitchen facility will be central to this facility, with one service elevator used exclusively at peak hours as a supplement.

It is hoped that all of Parkersburg International's facilities will be frequently used by the general public of Parkersburg and the surrounding region.
Parkersburg International

- Restaurant main dining room 4,000 sq. ft.
- Bar and cocktail lounge 2,500 sq. ft.
- Dance floor and bandstand 750 sq. ft.
- Cafe 2,000 sq. ft.
- Banquet/concert/theatre hall 6,500 sq. ft.
- Banquet foyer 750 sq. ft.
- Banquet coat check 450 sq. ft.
- Private dining rooms (4 at 500 sq. ft. each) 2,000 sq. ft.

Reception Area Sub-total --- 18,950 sq. ft.
Service
Back of the House

The "back of the house" is defined as all those areas generally not seen by the customer. The effectiveness of their layout is crucial to the success of the hotel and should be planned with two prime objectives: efficiency and control. The receiving of goods, garbage pick-up, and employee means of entry and egress all require tight control to prevent pilferage and out-right theft.

It is important to remember that there is a class distinction between types of employees. (i.e. Head waiters will not associate with porters and dishwashers.) Uniform issue and quick access to one's job are other important considerations.

Housekeepers Department

<table>
<thead>
<tr>
<th>Department</th>
<th>Sq. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linen room</td>
<td>1,200</td>
</tr>
<tr>
<td>Laundry room</td>
<td>3,000</td>
</tr>
<tr>
<td>Sewing and mending area</td>
<td>150</td>
</tr>
<tr>
<td>Soiled linen area</td>
<td>350</td>
</tr>
<tr>
<td>Maintenance shops</td>
<td>2,000</td>
</tr>
<tr>
<td>--carpentry</td>
<td></td>
</tr>
<tr>
<td>--upholstery</td>
<td></td>
</tr>
</tbody>
</table>
---metal andileather
---Furniture store

Mechanical
---Boiler room
---Transformer vault
---Compressor room (pneumatics) 600 sq. ft.
---Fan room (ventilation) 600 sq. ft.
---Water heater
---Engineer's room

Employee's
---Women's toilet 1,000 sq. ft.
---Men's toilet 1,000 sq. ft.

Restaurant
---Main kitchen 4,700 sq. ft.
---Auxiliary
---Auxiliary 650 sq. ft.
---Auxiliary
---Bake shop 1,000 sq. ft.
---Employees
---Steward's
---Beverage room 1,800 sq. ft.
---Receiving
---Receiving 600 sq. ft.
---Receiving 800 sq. ft.
---Garbage room
---China, glass 350 sq. ft.
---China, glass 200 sq. ft.
Banquet/Theatre/Concept Support

--Serving pantry 1,200 sq. ft.
--Storage 400 sq. ft.

Back of the house sub-total--27,850 sq. ft.
Health Club & Pool
This particular division of Parkersburg International will actually be a part of the hotel facility but will be leased to a private manager and open to the general public. Hotel guests would have temporary memberships included in the price of their room.

The swimming pool area is to be constructed as a luxury facility in context with the general atmosphere of Parkersburg International. Control of access to this area is mandatory.

Pool Area
6,000 sq. ft.

Men's Locker Room
--Locker area 400 sq. ft.
--Toilet and showers 200 sq. ft.
--Massage room(two tables) 200 sq. ft.

Women's Locker Room
--Locker area 400 sq. ft.
--Toilet and showers 200 sq. ft.
--Massage room(two tables) 200 sq. ft.

Health Club
--Exercise room 800 sq. ft.
--Turkish bath 250 sq. ft.
--Sauna room 250 sq. ft.
--Inhalation room 150 sq. ft.
Parkersburg International

- Manager's office 200 sq. ft.
- Storage, equipment 250 sq. ft.
- Control desk area 50 sq. ft.

Health club and pool sub-total 9,550 sq. ft.

Total hotel area 205,295 sq. ft.
Retail - Office
These functions are a great asset to the hotel, providing valuable income and, most importantly, activity producing spaces. The retail area shall contain small shops, branch stores, pharmacy, boutiques, and other facilities relating to the transient atmosphere of Parkersburg International. The office areas shall provide professional office space for service club headquarters, small professional firms, insurance firms, travel agencies, etc.

These areas shall be near and readily accessible to the other functional areas and the general public.

Retail area 20,000 sq. ft.
Professional Office Space 25,000 sq. ft.
Total retail/office space 45,000 sq. ft.

Suggested Shops and Boutiques
Barber shop (four chairs), bake shop, beauty salon (four chairs), sports shop, clothing store, travel agency, car rental, drug store (with pharmacy), gift shop, news stand, liquor store, book store, florist, post office machines, Fanny May candy store, etc.
Arena

The addition of the arena/exhibition hall makes Parkersburg International a civic center as well as a hotel/convention center. The arena will have flexible, but comfortable seating for over 7,500 spectators. The seating will change to accommodate the various functions present, ranging from basketball to a boat (with the seating retracted). This functional unit must be accessible to the hotel easily, but must not utilize hotel facilities (toilets, lobby, etc.). Parking will be on grade for the arena.

Uses

--Basketball
--Ice Hockey
--Ice Capades Show
--Recreational Ice Skating
--Championship Tennis
--1/8 mile Running Track
--Indoor Track Events
--Archery Tournaments
--Very Large Conventions
--Shrine Circus
--Horse Show Ring (jumping)
--Merchandise Shows
Car Shows

Boat Shows

Etc.

Total Arena----------57,500 sq. ft.
Parking Garage

This, the last of the functional areas, shall provide 450 parking spaces minimum and the major loading dock services. These functions will be placed below or underground, site conditions permitting, preserving the surface environment.

Optimum Requirements

Hotel
-- 1 space/3 employees
-- 1 space/2 guest rooms
Professional Offices
-- 1 space/500 sq. ft.
Retail Stores, Health Club, Restaurants
-- 1 space/125 sq. ft.

Loading Berths
-- 2 berths at 12' x 45' x 14' clearance

Optimum Total---------600 parking spaces
Parking Area 135,000 sq. ft.
(450 spaces at 300 sq. ft. per car)
Loading Berths 1,080 sq. ft.
(two berths at 540 sq. ft.)

Total Parking Garage Area 136,080 sq. ft.
Grand Total Assignable Area of Parkersburg
International---------443,875 sq. ft.
Proximity Matrix

Front Desk
Lobby
Lounge
Guestrooms
Elevators
Service Elevators
Food Preparation
Dining Room
Cocktail Lounge
Cafe
Banquet Hall
Private Dining
Health Club
Pool
Retail Space
Office Space
Arena
Parking Garage
Parking Lot
Receiving
Vistas
Sunlight

Relationships
Positive ●
Neutral ○
Negative ●
Parkersburg International

Site Analysis
Parkersburg International

Context

LOCATION

Parkersburg International is located on the south-eastern banks of the Ohio River south of the Little Kanawha River near Parkersburg, West Virginia. It is 60 miles north of Charleston, West Virginia and 130 miles south-west of Pittsburg, Pennsylvania.

DESCRIPTION

This site will give Parkersburg International the most spectacular location in the city (even region) to facilitate its exposure, access, growth and prominence.

Ninety-five percent of the site is wooded with white, black, and red oak. Several Locust and Apple trees are also present. The open areas are covered with grass and brush.

The site consists of 107.5 acres called Fort Borman Hill, the highest point being 240 feet above the Ohio River. Monongahela and Upshur-Muskengham soils are present, occurring fluviually, having slopes ranging from C to F and #3 and #4 erosion is typical. These soils are silty sandy loams reddish-grey-brown in color and excessively well drained.

The site is not under any specific use at this time.
EXTERNAL CIRCULATION

A new four-lane limited access highway has been installed through Parkersburg, Route #2, and acceleration/deceleration lanes providing access to the site have been installed. Route #2 will eventually be 4-lane to Pittsburg, Pa.

VISUAL PARAMETERS

The view north up the Ohio River as well as west (downstream) to Blennerhassett Island is truly spectacular. Careful consideration should be given to the visual effect of Parkersburg International at night as well as during the day.

Blennerhassett Island

This must be mentioned because of its proximity to the site. A Mr. Blennerhassett, about 60 years before the Civil War, and Aaron Burr, thought highly of the Mississippi River Valley and, besides other things, tried to claim it for themselves. Blennerhassett had a Palladian Villa on the Island, and 5.9 million dollars is to be spent in the next 5 years building/restoring the complex and grounds. A beautiful tourist attraction to the region is envisioned.
CONCLUSIONS

The traffic on Route #2 dictates a hard vehicular face with the site. The natural interest of the varying topography should be taken advantage of. Weather conditions during most of the year dictate enclosed interior spaces/circulation.

Parkersburg International shall provide an incredibly stimulation visual experience to the passing motorist or river traveler.
Environment

NATURAL INFLUENCES

<table>
<thead>
<tr>
<th>Monthly Ave.</th>
<th>% Possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temp. °F</td>
<td>Sunshine</td>
</tr>
<tr>
<td>January</td>
<td>35</td>
</tr>
<tr>
<td>February</td>
<td>36</td>
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<td>October</td>
<td>57</td>
</tr>
<tr>
<td>November</td>
<td>45</td>
</tr>
<tr>
<td>December</td>
<td>36</td>
</tr>
</tbody>
</table>

Average annual rainfall 39"

Bearing 39°15' North Latitude
81°35' Longitude

Average frost penetration 10"

Prevailing Winter Winds NW

Prevailing Summer Winds SW
Soil: Monongahela
Upshur-Muskingum

Soil Separates: Silt loam and sandy loam

Erosion: Heavy control needed

Drainage: Excessively well drained

Man-made Influences

Utilities

Electricity, gas, and telephone services are provided by private companies, and water, sewage, and sanitation facilities are provided by the city.
Parkerburg International

300 mile radius
Credits
INTERVIEWS (during September 1975)

Mr. Gerry Arnold, Innkeeper, Holiday Inn, Laporte, Indiana.

Mr. John C. Fleck, AIA, FCSI, Fleck & Hickey, Inc., Laporte, Indiana.

Mr. Thomas Hickey, AIA, Fleck & Hickey, Inc., Laporte, Indiana.

Mr. Kellenburger, Executive, Parkersburg Chamber of Commerce, Parkersburg, West Virginia.


PRINTED RESOURCES


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Mr. Kellenburger, Executive, Parkersburg Chamber of Commerce, Parkersburg, West Virginia.


PRINTED RESOURCES


Parkersburg International

building section

room elevation
Parkersburg International
Parkersburg
International