

PROJECT ANALYSIS

FOR Mr. Potato Head

"COMMERCIAL DESIGN PROJECT NAME"

BY

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ADVANCED TECHNICAL DRAWING



ROAL ARCHITECTURE INC

59 Laneway Park

Jackstone, AL

STATEMENT OF PROBLEM

To design a thirty thousand square foot building for Barnes & Noble, a bookselling retailer own by Mr. Potato Head of Whitestown GA. The building will use modern day recycled material. The old building will have to be demolished prior to building the

new. It will sit on about 2twoacres in Arlington Heights. The approximate coast of the project will be two million dollars.

Ivan Guechev, Architect

I. CLIENT DATA

- A. Company Name Barns & Nobels
- B. Owner or Contact Person Mr.Potato Head
- C. Street Address 4787 Potato Lane
- D. City Potatos Vill State Idaho Zip Code 73524
- E. Product or Services Sells books

II. BUILDING SITE DATA

- A. Lot Dimensions 2.3 acers
- B. Existing Contours Flat
- C. Existing Landscape Few trees
- D. Existing Easements Per city ordinates
- E. Location of Lot (Address) 2020 Northwest Hwy Arington Heights, IL, 60008
- F. Utilities Available:
 - 1. Water Service Northshore water

2. Sewer Service Waste managment
3. Electrical Service Com ED
4. Natural Gas Nicor
5. Telephone Comcast
6. Internet Access Comcast

III. PERSONNEL DATA & NEEDS

A. Number of Occupants

1. Salaried Employees 2
2. Hourly Employees 12
3. Part-time Employees 4

B. List of Personnel by Position

1. Job Title Manager Qty.2

- a. Responsibilities of Job General oversight of workers, may take other jobs such as shocker,casiher.
- b. Equipment Needed for Job A computer, cash register, clipbord.

2. Job Title Security guards Qty. 3

- a. Responsibilities of Job To make sure the dirty hippes don't steal any books or burn them. To scare away potential robbers.
- b. Equipment Needed for Job Industrial flashlight for beating people and light. One pair of handcuffs, airsoft gun made to look like real gun. Baer mace.

3. Job Title Cash register/ phone operator Qty. 4

- a. Responsibilities of Job Pick up phone and place orders, run register.
- b. Equipment Needed for Job Register, phne, computer.

4. Job Title Book Shelf stocker Qty. 3

- a. Responsibilities of Job Stock the shelf with books and answer questions.
- b. Equipment Needed for Job Small ladder

5. Job Title Café workers Qty.2

- a. Responsibilities of Job Make café and sell other tings.
- b. Equipment Needed for Job Cash register, coffie machine, other cafe equipment.

6. Job Title Janitors Qty. 4

- a. Responsibilities of Job Cleaning the store
- b. Equipment Needed for Job cleaning material, mops, vaccum cleaner.

IV. CUSTOMER NEEDS

- A. Outside of Building Park benches, parking space, bike racks, outdoorbed for hippies, trash cans.
- B. Inside of Building Stiiing area, tables, trash cans, books, computers, free wi-fi

V. BUILDING DESIGN DATA

- A. Approximate Shape Desired V shaped
- B. Maximum Length & Width Allowed 100000 sq. ft.
- C. Number of Levels Desired 2 levels
- D. Square Footage Desired
- E. Style of Building Desired Modern envirmenal

VI. BUILDING MATERIALS DESIRED

- A. Exterior Walls Duoble envelpoe
- B. Roofing Green roof
- C. Soffit or Trim terra cotta
- D. Windows Double plan fixed
- E. Glazing of Windows Low E
- F. Exterior Doors Revolving doors
- G. Roof Drainage System Green roof
- H. Interior Walls 2 by 4 gypsum
- I. Interior Doors fire resistant doors, pine/oak
- J. Interior Trim pine/oak
- K. Cabinetry bamboo
- L. Hardware pewter
- M. Floor Coverings Heat absorvent title
- N. Wall Coverings

Non reflective paint

- O. Ceilings Open ceiling with highlights, drop ceiling in area
- P. Lighting LED

VII. SPACE NEEDS

A. Public Areas (Type & Sq.Ft.)

1.700000 sq feet

2. _____

3. _____

B. Employee Areas (Type & Sq.Ft.)

1. 100000 sq feet

2. _____

3. _____

C. Mechanical Areas (Type & Sq.Ft.)

1. 50000 sq feet

2. _____

3. _____

D. Storage Areas (Type & Sq.Ft.)

1. 150000 sq feet

2. _____

3. _____

VIII. MECHANICAL EQUIPMENT & SPECIAL FEATURES

- A. Heating System Northwest Chicago Heating and Cooling
- B. Cooling System Northwest Chicago Heating and Cooling
- C. Electronic Air Cleaner Northwest Chicago Heating and Cooling
- D. Water Heater American Water Heater Co
- E. Humidifier Ibbotson Heating Co

