- Cultural Reality - MEANING
  - Physical Reality - BEING

* The Subject Matter is, MEANING,
When concerning Identity or
sense of Place.

Beauty - Natural Geometry
  (Primary Sensation)
  Proportion

Beauty - Customary, Cultural
  (Secondary Sensation)
  Familiarity

object □ phenomenon

objects
△ - triangle
□ - square
○ - circle
[] - rectangle
□ - parallelogram
△ - trapezoid

Gestalt - FORBID [the] more [individual] together [parts],
are [are] they

The individual parts are, together, they are more.
This is a symbol-system example (words, language).
The following Program is a product of my first quarter analysis of design potential based upon the information secured during that time in research. Many of the organizing principles and layouts have been changed according to subsequent design development. The information included for non-chapel related spaces, however, may be looked upon as what will actually be proposed for the corresponding space in the final design.
PARISH ORGANIZATION

1. Administration: Officers and secretaries involved with running the church and special directions.

2. Organizational matters of everyday activity.

3. Students: Involvement with the university starts here (beyond the congregation). Student officers who run the activities concerned with the university.


5. Congregation: The body of the church. Without this group the parish is nothing.

Description of Organization

- Congregation
- Students
- Parish
- Priests
Public Spaces - Relationships - Approximate Locations

E.E. - Bathrooms.

- Northex
- Storage
- Parish Hall
- Kitchen
- R.R.
- Classroom

Entry

Service Entry
Office Spaces - Relationships - Approximate Locations

A) Pasture office  
B) Plants office  
C) Pits office  
D) Pref's office  
E) Pits room  
F) Administrator's office  
G) Pits coordinator's office  
H) EHS coordinator's office  
I) Band room
Religious Spaces - Relationships - Approximate Locations

- Sanctuary
- Confessional
- Confessional
- Entry
- Foyer
- Foyer
- Foyer
- Foyer
- Foyer
- Foyer
- Foyer
- Foyer
Chapel Entry Sequence

Entry

Pathway

Narthex

Optional Font

Beam upon the Altar

Pronto Rep Area
Interior Circulation

Space Grouping Relationships

Pathway
FUNCTION: Serve as a place of worship & the Catholic Church. To give Catholics a sense of their traditions & faith.

IMAGE: A symbolic & spiritual environment.

DESIGN CONSIDERATIONS: Must express the Catholic beliefs of unity, organization, nature, symbol, & God.Symbolism must be meaningful at all levels of design.

POTENTIAL USERS: Catholics of all ages.

ACTIVITIES: Mass, Eucharistic services, confessions, prayer services, confirmations, weddings, funerals, special celebrations of the mass.

VIEW: Congregation should have limited views outside the sanctuary.

TIME OF USE: Every day 6:00 am to 10:00 pm. Special services are to be given as necessary.

LIGHTING: Natural lighting alone for daytime services. Architectural lighting for evening, dramatized light source.

HVAC: Provision for year-round comfort. Natural ventilation during warm weather. Air circulation should not be felt (efficient)

ACOUSTICS: Echo-free, acoustically treated, sound absorption.

ADJACENT SPACES: DNA Room, Ferry trash, Confessional, Narthex, Vestibule, Nurses, reception, etc.

APPROXIMATE SIZE: 30,000 sq ft (3,000 sq m)

Other: Special religious requirements, etc.
**SPECIAL RELIGIOUS REQUIREMENTS**

- **FOCUS:**
  - At least religious, especially at the altar, are the focus of the entire congregation. Every member of the congregation must have a clear view of these. The entire built environment is to be arranged such that attention is directed toward the altars.
  - The apse must be above the congregation. However, it must not appear as if the congregation is out of reach of the congregation. All present must feel that they support the celebration of the Liturgy.
  - **CHOR:** Must not be separated from the congregation (similar to the apse). Can even become a part of the body of the assembly.
  - **CANOPY:** A device that sets up a canopy above the altar. This is to call the altar out as a special place where the Eucharistic Action takes place. A thought similar to the use of a dome (heaven) placed over the church.
  - **SUNLIGHT:** Should be allowed to enter as filtered light (an act of mystery) except in the apse. Here, sunspots are allowed to shine, and some of the area around the altar. Special vases can be highlighted in this way.
  - **SCULPTURE:** No may be used within the altar area.
  - Altars of the sanctuary should be treated in a way that sunlight transmission is more central than the structure. Structure should be de-emphasized.
  - **VERTICALITY:** Vertical elements should be an expression of the interior space - columns, such as stained glass windows, etc. that are used to call this out.
  - **SPECIAL LIGHTS:** Can be used in either or any dark days.
  - Should be all indirect and from several places (one, etc. an act of mystery).
SPECIAL RELIGIOUS REQUIREMENTS (cont.)

- THE CAFE should be positioned at the church.
- On the walls, near the front of the church, there should be
  positions created for the statue at the cross. Room
  for the echoes near each station must be provided to allow
  for space and beauty to stand facing the statue.
- SOUND: Little sound should be permitted into the sanctuary
  unless a service is in progress. (Unless worship occurs)
  Outside distractions should be kept to a minimum. The sanctuary
  must be acoustically designed such that spoken words and
  music of the organ and choir should be allowed to be
  heard, yet at the same time reverberate within the space.
- ORGAN: The
  presence of the keyboard should be such that the organist
  and/or choir director feel as though they are standing at the
  altar. The organ and the pipes can also act as a
  visual background.
- NATIVITY SCENE: A room within or
  near the space is necessary for the construction of a
  Nativity scene. This can become a special place to
  display art or objects of special design,恰好
  from a thoughtful use of space. The scene must be
  designed by...
FUNCTION: To serve as an entry to the chapel. Prepares architecture area for the sanctuary, to be experienced next. The performance of baptism ceremonies.

IMAGE: Formal, spiritual, directional, dramatic within the baptismal focal area.

DESIGN CONSIDERATIONS: Must express movement out, the front, and into the chapel. Must allow for conversation as well as movement.

POTENTIAL USERS: Catholics of all age groups. Other associated with the variety of services handled.

ACTIVITIES: Welcoming, party halls, conversations, lectures, and other services. Baptisms, church overflow, access to other areas of the facility.

VIEWS: People should be able to see into the sanctuary (past the font). Also, unobstructed views outside.

TIME OF USE: 8:00 am to 7:00 pm (variable).

SOUND AS SANCTUARY.

LIGHTING: Natural lighting only when the day is bright. Dramatic lighting of Font area. Artificial for reading.

HVAC: Comfort during all times of the year. Natural ventilation can be used during mild months.

ACOUSTICS: Many people talking at the same time, there should be sound absorbing. Voice during baptism powerful.

ACCESSORIES: Entry (vestibule), sanctuary, courtyard, pathway, restrooms (greeting area), parish hall.

APPROXIMATE SIZE: 1000 sq. ft. (60' x 30'). Height should be expressed.

OTHER: See Special Religious Requirements sheet.

SPACE REQUIREMENTS

SPACE: NAVEHEX (BAPTISTERY)

SPACE CODE: (6) Religious

FURNITURE/EQUIPMENT: A

Baptismal font, baptismal benches, tables for exhibits, display cases for bills.

TYPICAL LAYOUT
SPECIAL RELIGIOUS REQUIREMENTS

ENTRY:

The entry must begin the sequence of entry into the sanctuary. With this as a consideration, it must be a coordination for the sanctuary. Expression of the religious requirements necessary for the sanctuary can be achieved on a lower level in terms of design and spatial perception.

SEPARATION: A transom will separate the narthex and church. This wall will contain the focus of the space, the front, but yet allow for views into the sanctuary. It must direct attention toward the altar, then past itself into the sanctuary. Directing people to move into the sanctuary.

FOCUS: The altar can direct toward the area of the altar. The same idea as the altar within the sanctuary. The space may use many of the same conventions as the sanctuary includes: facade, vertical, canopy, and iterarchy.
FUNCTION: To begin the sequence of entry into the chapel/public spaces. To act as an airlock.

IMAGE: A transition (between inside and the outdoors). Formal, spiritual, symbolic, directional.

DESIGN CONSIDERATIONS: Must be small. Must bring some of the outside into the building. Must bring sense of the outside. Deep set floors (porch) security.

POTENTIAL USERS: Communities of all ages, groups, all ages associated with services and activities within.

ACTIVITIES: The opening and exiting of the building. Admiring of outer parameters, sheltering from rain/snow.

VIEWS: Into and out of the building.

TIME OF USAGE: 6:00 am - 9:00 pm possible.

LIGHTING: Within airlocks for safety at night. Natural lighting should be adequate for daytime.

HVAC: Must have potential to meet and cool inside air quickly.

ACOUSTICS: A small space, best reverberations possible.

ADJACENT SPACE: North/Pathway.

APPROXIMATE SIZES: 100 sq. ft (30'x4').

OTHER:

SPACE REQUIREMENTS

SPACE: CHAPEL ENTRY

SPACE CODE: (C) Religious

FURNITURE/EQUIPMENT: Display cases within airlocks, floor mats within airlocks, slip-proof mats within airlock and open both sides of airlock.

TYPICAL LAYOUT:

[Diagram of a typical layout]
FUNCTION: To provide a soundproof environment for young children and their parents, so as not to disturb the service.

IMAGE: Small scale, intimate, some spiritual ambiance, warm, comfortable.

DESIGN CONSIDERATIONS: Must be comfortable for infants and small children. Near the back of the sanctuary, a silent door is needed.

POTENTIAL USERS: Children and one or both parents or guardians.

ACTIVITIES: Following the progress of the service while attending to crying or upset children.

VIEWS: Must have a clear view of the altar, through a soundproof window. No glare or window.

TIME OF USAGE: During services.

LIGHTING: Adequate for reading, possibly illuminated less than the sanctuary.

HVAC: Must be unheated and kept at the same temperature as the sanctuary.

ACOUSTICS: Room must be soundproof and echo free. A speaker must be present to provide service sound.

ADJACENT SPACES: Sanctuary.

APPROXIMATE SIZE: 120 sq ft (10'x12')

OTHER:
**SPACE REQUIREMENTS**

**SPACE: CONFESSIONAL (2)**

- **SPACE CODE:** (E) Religious

- **FURNITURE/EQUIPMENT:** Comfortable furniture, chairs (priests), a reading lamp (priest), voice screens, exterior use lights (signs).

**TYPICAL LAYOUT:**

- **PURPOSE:** Confidential telling to a priest of an individual's sins, (to be done while kneeling).

- **IMAGE:** Lit, private, dark (undescribed), quiet, intimate.

- **DESIGN CONSIDERATIONS:** Two year front all visible doors, secure, priest's office.

- **POTENTIAL USES:** Cathedrals of creating use (2-4 priests).

- **ACTIVITIES:** Confession of sins in whispers, hearing of sins and offering of penance, kneeling and reading (priests).

- **VIEW:** Net - voice screens must not be transparent.

- **TIME OF USAGE:** Usually afternoons.

- **LIGHTING:** Individual compartments should be somewhat dark, priests should be able to control light.

- **HVAC:** Some compartments can be heated and cooled with residual air from sanctuary (30x10ft).

- **ACoustics:** Voice screens must trap built whispers, compartments should be soundproof from sanctuary.

- **ADJACENT SPACES:** Sanctuary.

**APPROXIMATE SIZE:** 80 sq. ft. (8x10)

- Each compartment approximately (3x12).

- **OTHER:** There should be two (2) of these, one on either side of the sanctuary. They can be freestanding or built into the wall.
**FUNCTION:** Shrine of personal and communal prayer for the elevation of the soul, a dressing room for priests (grooming),

**IMAGE:** Functional, orderly, comfortable.

**DESIGN CONSIDERATIONS:** Ease of movement with activity going on, observation of security, proper storage, flexibility, privacy.

**POTENTIAL USERS:** Priests, congregation, servers, leity.

**ACTIVITIES:** Dressing, study, worship, retreat days, prayer, worship, preparation of items needed for service, writing, and taking care of items.

**VIEWS:** Outlooks, optimal, unobstructable view of sanctuary.

**TIME OF USAGE:** During services, any other time.

**LIGHTING:** Artificial, adequate for ritual and dress by liturgical illumination is optional.

**HVAC:** Adequate for comfort year round.

**ACOUSTICS:** Noise from space must not disturb sanctity.

**ADJACENT SPACES:** Sanctuary, vestry, priest's offices.

**APPROXIMATE SIZE:** 200 sq ft (20 x 10) (13 x 15).

**OTHER:**

---

**SPACE REQUIREMENTS**

- **SPACE:** PRIEST'S ROOM
- **SPACE CODE:** (P) Religious

**FURNITURE/EQUIPMENT:**
- Closets (for hanging garments), chairs (storage), table, floor, mirror.
**FUNCTION:** To accommodate large numbers of people for a wide variety of functions.

**IMAGE:** Informal, flexible, public, comfortable, bright.

**DESIGN CONSIDERATIONS:** Must be a clear span; one end should have a raised platform; ceiling should be a solid material, no open joints/plasterboard.

**POTENTIAL USERS:** All age groups, all religions.

**ACTIVITIES:** Work, receptions, public meetings, dances, lectures, shows, movies, exhibitions, seminars.

**VIEWS:** Any outside windows should be small (over the doors) for ease of control (closed room).

**TIME OF USAGE:** All times of the day, predominantly evenings (when facility open).

**LIGHTING:** Uniform, fluorescent, spots possible by platform possibility of two or more colors, intensity adjustable.

**HVAC:** High air-exchange temperature comfort must be maintained during all needs.

**ACOUSTICS:** Must be able to hear amplified human voice and music in any position, no echo or reverberation.

**AWNINGS:** Kitchen, restroom, pathways.

**STORAGE:** Space must be durable and functional, extra money spent to create a positive atmosphere would be worth it.

**SPACE REQUIREMENTS**

**SPACE:** Parish Hall

**SPACE CODE:** (C) Public

**FURNITURE/Equipment:** Moveable seats and tables (seats for 200), serving tables, position screen (5x12), projector equipment.

**TYPICAL LAYOUT**
FUNCTION: To handle medium-size gatherings (10-50 people) comfortably and adequately. And to provide a variety of service levels.

IMAGE: Intimate, flexible, public, warm, comfortable.

DESIGN CONSIDERATIONS: Must be a class room, desired, security possible, views of outdoors (limited), dividers, supervision possible, privacy.

POTENTIAL USERS: Adults, students, small groups, children.

ACTIVITIES: Classes, seminars, meetings, conferences, (Sunday nursery).

VIEWS: Controlled views of outdoors (provide, to break away from).

TIME OF USAGE: All times. Facility is open.

DESKS: Standard.

LIGHTING: Warm fluorescent, natural (preferable), sufficient for reading/writing, play, drawing.

HVAC: Control during all times of year, controlled, natural ventilation.

ACOUSTICS: Good sound quality of speech, words, ringing may take place here, no echoes.

APARTMENT SPACE: Storage, pathway, restrooms, offices.

APPROXIMATE SIZE: 600 sq. ft. (20 x 30).

Other: Height must be proportional to size.
FUNCTION: To provide proper equipment and environment for the healthy preparation of meals.

IMAGE: Functional, clean, economic.

DESIGN CONSIDERATIONS: Ease of work process, access to equipment & space, mobility, durability, functional, adjustable, noise & ventilation control.

POTENTIAL USERS: Professional chefs, volunteers, professional cooks, helpers, administration, kitchen assistants, students.

ACTIVITIES: Preparation, cooking, cleaning, social functions.

VIEWS: Vendors & customers must be able to see from one area to the next very easily.

TIME OF USAGE: Any time; facility is open, except for lunch.

LIGHTING: Adequate for food preparation, work stations.

HVAC: Adequate for post-preparation ventilation at sites & times, control of temp; ventilation at stove.

ACOUSTICS: Reduction of sound transmission through space and into other spaces.

ADJACENT SPACES: Front & rear, reception rooms, service entrance, restrooms.

APPROXIMATE SIZE: 700 sq. ft. (21x34)(21x23.5)(17x9.5)(9x23).

OTHER: All equipment must be economic and dependable, easily used, most help will be volunteer.
FUNCTION: To provide workers a place to relax, or to be entertained. A place for workers meals. Can be used by one or more.

IMAGE: Relaxing, warm, comfortable, durable, private, intimate.

DESIGN CONSIDERATIONS: Must be an enjoyable space, with seating, views, quiet and relaxing. Access controlled.

POTENTIAL USERS: Members of the staff and guests. Adults/students.

ACTIVITIES: Conversation, music, listening, games, TV viewing, small intimate meals, reading, sleeping.
Many activities may go on at the same time.

VIEWS: Must have clear, open views of outdoors. Views can be controlled—should be private.

TIME OF USAGE: Almost any time of the day.


HVAC: Thermostat control, must be present within space. Natural ventilation must always be possible.

ACTIVITIES: No echo, music may be played loudly within this space. (Separated from other spaces)

ADJACENT SPACE: Living (key access), office, even restaurant, adjacent (closed)

APPROXIMATE SIZE: 300 sq. ft. (20 x 15)

OTHER: This space and the furniture within it should be very flexible. Continuous activities should be able to be accommodated.
FUNCTION: A space for the student administrator to meet and work in.

IMAGE: Very informal, bright, comfortable, individual identities possible.

DESIGN CONSIDERATIONS: Carpeting, flexibility, controlled access, security, exterior views, controllable privacy, durability of surfaces and furniture/equipment.

POTENTIAL USERS: Students, clients, administrators, visitors, guests.

ACTIVITIES: Reading/writing, typing, conversations, meetings, crafts/art work.

VIEWS: Should be provided with an exterior view.

TIME OF USAGE: Daytime center is open to students.

LIGHTING: Controlled, general and artificial, sufficient for reading and crafts/art work.

HVAC: Space should be pleasant year-round, controlled natural ventilation.

ACoustics: Sound transmission into & out of the space should be held to a minimum.

ADJACENT SPACES: Other office, secure area, restrooms, recreation room.

APPROXIMATE SPACES: 400 sq. ft. (20 x 20), (10 x 20), (17 x 23.5).

OTHER:
**FUNCTION:** An environment for the administration of a church facility to perform his/her role while providing privacy, and comfort.

**IMAGE:** Formal, personal, warm, comfortable, personal. Identity possible.

**DESIGN CONSIDERATIONS:** Carpeted, controlled privacy, flexibility, security, efficiency of work process, controlled access, views.

**POTENTIAL USERS:** Administration personnel, students, guests, visitors.

**ACTIVITIES:** Reading/writing, discussion, meetings, decision, meditation.

**VIEWS:** Private, controlled views of outdoors.

**TIME OF USAGE:** Any time.

**LIGHTING:** Artificial and natural, both controllable. Artificial must be adequate for reading.

**HVAC:** Thermostat control must be within the space. Natural ventilation must be possible.

**ACoustics:** Sound transmission privacy, both ways.

**ADJACENT SPACES:** Reception area, other offices, restrooms, recreation room.

**APPROXIMATE SIZE:** 250 sq ft. (15' x 15'), (12' x 20')

**OTHER:**

---

**SPACE REQUIREMENTS**

**SPACE CODE:** (A) Office.

**FURNITURE/Equipment:** Desk, chair, telephone, card file, book shelves, table & chairs, lamp, desk lamp, safe, plants, filing cabinet.

---

**TYPICAL LAYOUT**

---
**FUNCTION:** An environment that allows the occupant to carry out the responsibilities of his/her position.

**IMAGE:** Formal, personal, comfortable, warm, individual identity possible.

**DESIGN CONSIDERATIONS:** Carpeting, controlled privacy, flexibility, security, efficiency of work process, views, controlled access.

**POTENTIAL USERS:** Administration, personnel, students, priests, visitors.

**ACTIVITIES:** Reading/writing, discussion, dictation, meetings, meditation.

**VIEWS:** Private, controlled views of outdoor.

**TIME OF USAGE:** Any time.

**LIGHTING:** Controlled, natural, and artificial. Adequate artificial for reading.

**HVAC:** Thermostat controlled within space. Natural ventilation possible.

**ACoustics:** Sound transmission, privacy, lethargy.

**ADJACENT SPACE:** Other offices, see/rec area, restroom, reception room.

**APPROXIMATE SIZE:** 150 sq. ft. (10 x 15).

**OTHER:** This short describes the Library Conductors, as well as the Religious Conductors offices.
Space Requirements

- SPACE: Bookkeeper's Office
- SPACE CODE: (D) Office
- Furniture/equipment: desk, chair, filing cabinets, telephone, book shelves, desk lamp, typewriter, plants

Typical Layout

- Views: unobstructed view of outdoors
- Time of usage: Anytime
- Lighting: Control of artificial and natural light
- HVAC: Thermostatic control within space, natural ventilation possible
- Acoustics: Minimum sound transmission into and out of space
- Adjacent space: Secure, non-restrictive office, reception room
- Approximate size: 120 sq. ft. (12 x 10)
- Other: 

Additional notes:
- Adaptable environment that allows to carry out the responsibilities in the position.
- Design considerations: Comfortable, functional, attractive, private, flexible, security, efficiency of work process, views.
- Potential users: Administration, personnel, guests, students, visitors, staff auditor.
- Activities: Reading/writing, discussion, typing, studying, figures.
- Views: Unobstructed views of outdoors.
- Time of usage: Anytime.
**FUNCTION:** To provide the pastor of the church a private space to conduct his daily activities of his parish in comfort.

**IMAGE:** Personal, informal, warm, comfortable, personal identity possible.

**DESIGN CONSIDERATIONS:** Carpeting, controlled privacy, flexibility, security, controlled access, visitors, light efficiency, work process.

**POTENTIAL USERS:** The pastor, administration, students, visitors.

**ACTIVITIES:** Counseling, private discussion, meetings, reading, writing, meditation.

**VIEW:** Private views of outdoors, controllable.

**TIME OF USE:** Any time.

**LIGHTING:** Controlled artificial & natural. Artificial shall be sufficient for reading.

**HVAC:** Thermostat control must be within the space. Natural ventilation must be possible.

**ACOUSTICS:** Sound transmission privacy must be provided both ways.

**ADJACENT SPACE:** Other offices, reception area, restrooms, priest's room, recreation room.

**APPROXIMATE SIZE:** 250 sq ft (23.24 m²)

**OTHER:**
FUNCTION: To provide each person a private space to carry out his functions as counselor, administrator, and assistant to the pastor.

IMAGE: Personal, informal, warm, comfortable, private, flexible, possible.

DESIGN CONSIDERATIONS: Carpentry, controlled privacy, flexibility, security, view, light, efficiency of use, space, controlled access.

POTENTIAL USERS: Pastor, administrator, visitors, students.

ACTIVITIES: Counseling, meeting, writing, private discussion, meetings, meditation.

VIEWS: Private, controlled views of outdoors.

TIME OF USAGE: Any time.

LIGHTING: Controlled natural & artificial. Artificial shall be sufficient for reading.

HVAC: Thermostat control must be within the space. Natural ventilation must be possible.

ACOUSTICS: Sound transmission privacy, both ways.

ADJACENT SPACES: Other offices, social room, recreation room, priests' room.

APPROXIMATE SIZE: 200 sq. ft. (10'x20'), (16'x13'), (12'x17')

OTHER: There are three offices described here.

Space Codes: (P, S, T.)
### SPACE SUMMARY

<table>
<thead>
<tr>
<th>SPACE CODE</th>
<th>Sq. Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RELIGIOUS SPACES:</td>
<td></td>
</tr>
<tr>
<td>A) Sanctuary</td>
<td>9000</td>
</tr>
<tr>
<td>B) Nave</td>
<td>1500</td>
</tr>
<tr>
<td>C) Entry</td>
<td>100</td>
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<tr>
<td>D) Cry Room</td>
<td></td>
</tr>
<tr>
<td>E) Office</td>
<td>200</td>
</tr>
<tr>
<td>F) Priest’s room</td>
<td></td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>5000</strong></td>
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<tr>
<td><strong>TOTAL: 5000 sq. ft.</strong></td>
<td><strong>%: 0% = 0%; 0% = 0%</strong></td>
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<tr>
<td>PUBLIC SPACES:</td>
<td></td>
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<tr>
<td>A) Parish Hall</td>
<td>3000</td>
</tr>
<tr>
<td>H) Classroom</td>
<td>500</td>
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<tr>
<td>J) Kitchen</td>
<td>700</td>
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<tr>
<td>OFFICE SPACES:</td>
<td></td>
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<tr>
<td>J) Reception room</td>
<td>500</td>
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<tr>
<td>K) Director’s office</td>
<td>400</td>
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<tr>
<td>L) Secretary/Receptionist</td>
<td>250</td>
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<tr>
<td>M) Administrator</td>
<td>250</td>
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<tr>
<td>N) Religious coordinator</td>
<td>150</td>
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<tr>
<td>D) Liturgy Coordinator</td>
<td>150</td>
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<tr>
<td>F) Bookkeeper</td>
<td>120</td>
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<tr>
<td>Q) Bishops office</td>
<td>200</td>
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<tr>
<td>P) Priests office</td>
<td>200</td>
</tr>
<tr>
<td>S) Priests office</td>
<td>200</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>1270 sq. ft.</strong></td>
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<tr>
<td>MISC:</td>
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<tr>
<td>D) Storage rooms</td>
<td></td>
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<tr>
<td>V) Bathroom</td>
<td></td>
</tr>
<tr>
<td>W) Service Entrance</td>
<td></td>
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</tbody>
</table>

*Total: 6270 sq. ft.*
The entry/narthex/sanctuary sequence (interior & exterior) is to be articulated with the appropriate symbolic/spiritual references included in the Special Religious Requirements sheet. The finest materials, finishings and finishings are to be used in association with these spaces. 

Material suggestions: (Religious) Concrete, stone, brick, granite, surfaces: stone or tile (joint patterns will be good). Windows will have many special geometries - energy efficient windows. Doors will be wooden - some may have inset windows. Be public, and office spaces may be of lesser material. Finishings and finishings, but they must be compatible with the atmosphere, image, and visual character expressed by the religious spaces.

Material suggestions: Exterior - same or compatible with Religious Spaces, interior - either sheetrock, glass, metal, (paint/wallpaper) floors - tile or wood or carpet. Windows - operable. Double, paned, energy efficient. Doors shall be wooden - some with inset windows. Interior circulation (Religious to Public to Office) shall be in a circular pattern or pathways, which surrounds a courtyard. Spaces will be placed along this path according to the space relationships diagrams located earlier in this program. The courtyard and path surrounding it shall be articulated to give the image of a cluster (Acrich). Materials and atmosphere (lighting, etc.) must be to give this image while conforming to the character of the Religious Spaces. The interior courtyard shall be accessible from the narthex, the public, and the office spaces. It shall...
SITE CRITERIA

[Text continues from the previous page]

- Location: The site is located on the North-east portion of Ball State University campus, west across McKinley Ave. from the Duck Pond. The building will be upon the north side of Cardinal Creek, while parking and access (vehicle & pedestrian) will be upon the south side of the creek. The facility will be approached by crossing a pedestrian bridge located on the western end of the site, near the building. Secondary access to the church by motor vehicle (drop-off & service) will be provided by a bridge located as far as possible west of the facility on the site. Vehicles will then be able to drive directly to and away from the building in a loop without intermingling with pedestrians.

- The chapel shall be located on the top of the small hill located north of the creek. The courtyard and public entry spaces shall be located south of the chapel to provide the best views and use of sunlight. To the south of the building shall be a landscaped hill, carrying down to a pond constructed for the purpose of reflecting the chapel. The pond will be part of the creek. Parking shall be headed in such a way that it is not visible as a place for cars, swimming with bushes and trees and other landscape elements can make the parking a site rather than a blight element of the landscape. New trees planted within the perimeter of the courtyard and on the site shall be of a variety that does not grow to great heights, nothing near the chapel shall rival its height.]

[Rest of the page continues with more text]
### Cost Estimate

**Public and Office Spaces: $100** per sq ft.

- Total Gross Sq Ft: 11,417
- Building Cost (BC): (10% of BC) $1,9020  
- Fixed Equipment (65% of BC) $34,762  
- Site Development (10% of BC) $1,610  

**Construction Costs:**
- Modular Equipment (6% of BC) $746.72
- Professional Fees (10% of CC) $30,859
- Contingencies Cost (10% of CC) $73,854
- Administration Cost (1% of CC) $12,541

**Budget Sub-Total:** $185,869,000

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**Religious Spaces: $110** per sq ft.

- Total Gross Sq Ft: 9,900
- Building Cost (BC): (10% of BC) $939,000
- Fixed Equipment (65% of BC) $1,998,000
- Site Development (10% of BC) $956,000

**Construction Costs:**
- Modular Equipment (6% of BC) $56,100
- Professional Fees (10% of CC) $181,275
- Contingencies Cost (10% of CC) $193,820
- Administration Costs (1% of CC) $193,820

**Budget Sub-Total:** $1,211,650

**Total Building Costs:** $137,980,650
The following section is an early design sequence illustrating the program as diagramatic forms and relationships.
Some diagrammatic keys:

- $\rightarrow$ - Directional / Connection / Wide in some cases / Not important

- $\longrightarrow$ - Barrier between spaces / Important

- $\uparrow\downarrow$ - Personal / Between parts of a space

- $\uparrow$ - Personal connection

- $\approx$ - Sound barrier (750 mph)

- $\Rightarrow$ - Sight lines

- $\Rightarrow$ - Wind (natural ventilation)

- Connection of special character

- $\Rightarrow$ - Natural sunlight

- $\ast\ast$ - A special location or symbol
Do a plan - what is occurring in section - in a means of dw

Let's do some diagrammatics

Separation? (path, level change, screen.)

South

East

Sanctuary
Let's go from the whole scheme down to individual parts.

Site Layout - First Impressions:

[Diagram showing various zones such as Parking, Public, Private, Sanctuary, New Pond, E, Mckeanly, etc.]

To Smith's Station
Natural Entering:

- Waters
- Sunlight
- Music

LITERAL:

Entry | Narthex | Baptismal | Sanctuary | Apse

Hierarchy:

Sunlight | Luminous Light
Open the Book

Sacrament: Liturgical Birth Placement of Font
The following section is a chronological graphical study of how the design process progressed over several months.
**Interior** - Formal - cubic-like - linear, circular, hierarchy.

(shows slightly asymmetrical) formal, formed according to constructs.

**Exterior** - Asymmetrical, formal, formed according to orientation.

* Two shells, one within the other - they may penetrate thru each other.
  - Exterior draws nature in - in efficient manner,
  - Interior handles nature according to the constructs.

* Can I articulate freedom columns? Vertical lines?
  - Start designs with simple shapes and cut & add.

why enclose this area?
INNER ZONES: Religious spaces, formed by constructs

+ Set up to allow for enhanced verticality in rounded spaces.
+ Rectangular spaces are for transition from exterior into the dichotomous spaces, not everywhere.
+ Interior walls are to be transparent (luminous) - Very close to where sunlight passes thru the outer shell.
+ Morning light must enter directly (golden glass) to strike the space. Evening light also must enter directly (red glass) to illuminate length of nave & Ape Structure.
Use the center as well as the radial lines to set up plans for the spaces, then planes may be handled to address orientation of the building. Even distribution of people (north-south, or left-right).
First -- must find the lower plan -- then how ceiling ring will relate to it, then how walls will connect them -- then how dome must sit atop ceiling ring.

Ceiling ring must be directly above altar area.

```
section of the triangle
```

sizes & positions may change

```
sections & ends may be different
```

In mystery: note for something special
Fragmented to include the again behind the exterior frame form the structure columns and express the spaces between structure as a continuation of the interior space... any into sunlight (golden)

Two entries

[Diagram of architectural design with annotations]
Can the plan stay linear while the beam shifts around it? No
I am trying the outrageous forms dominate it overwhelm my design.

Much of the original essence is being lost by an attempt to become all-encompassing in fib, form, or structure.

+ where it wants structure (well) - let it happen
+ where it wants light - let it happen
+ where it wants focus - let it happen
+ where it wants unity - let it happen
+ where it wants movement - let it happen
+ where it wants entry - let it happen
+ where it wants base (plinth) - let it happen

Don't make it more complicated than it is!

Notes: Morevo Review
Feb 17, 1990

- formulation of things - show them all
- where are your constructed show integration

- what is the ultimate goal?
- table comment on presentation - disorganization of board, elements
- you have knowledge, have graphics to back up
- scales, ratios for reference
- what happened to the 3rd curve?
- base - proportions explicit
- amount of light in the space size of dome - model scope
- the chimney

You will the ways of light look in perspective from the baptistry.

Where to attempt to bring in the light, where to put it when inside.
one side rectilinear
one side circular
how to connect the center (circles)?
Two responses
Private: Rational - Altar - Closed
Public: Geometric - Bapt.


Dundas, "The Symbolism of Churches and Church Ornament."

Fawcett, "The Eclipse of Symbolism."


Regency

Schwartz, "The Church In並將te", 1937, Henry

"Environment," Article.

Papamort, "Sacred Places, Sacred Occasions, Sacred
William Morrow and Co.

Rontice, "The Heritage of the Cathedral," 1936,

Article.

Murray, "Material, Fabric and Symbolic Relation",


Maguire, "Meaning and Understanding," Article.

Hochbein, "Reception,"
Lithuania, "Religious Architecture, Article, "

Lubels, "Catholic Church Building, "

Soviet, "Architecture for Worship, "

Cinemas, "Personal Space, 1969, People - Hall, "
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