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## **Multi-Purpose and Expandable Worship Centers**

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### I. Intro: Designing for growth and economy.

- Expandable Worship Centers create top quality environments and enable the church to grow-out of the auditorium instead of out-growing it, while minimizing disturbance to on-going facility use
- Multi-Purpose Worship Centers enable a church to accommodate several space needs in one room that is typically built with greater economy

### II. Multi-Purpose Worship Centers

#### A. Typical aversions to this approach:

#### B. Benefits to this approach:

1. Economical large space by virtue of simplicity (rectangle)
2. Prevents a large, costly space from being unused for most of the week
3. Provides for a multitude of ministry needs
4. Maximizes use of small sites
5. Can be an interim step in a phased growth master plan
6. May be easier to market for sale if future relocation is anticipated
7. Can be designed to address the Typical Aversions previously cited
8. Better approach environmentally

#### C. Structures for Economy

1. Pre-Engineered (most common)
  - a. The pre-engineered metal building system
  - b. Manufacturers and distributors
  - c. Common misinformation and sales tactics
  - d. The down-side of metal buildings
2. Pre-Engineered hybrid structures:
3. 'The Box': Flat roofed structures with long-span open web steel joists

#### D. Planning for Multiple Ministry Uses:

1. Kitchens and Food Service
2. Sports (B.Ball sets dimensions, typically, locker/shower rooms)

3. Storage
4. Traffic flow/ access lobbies and doors (sound/light locks)
5. Materials (floors, walls, light protection, etc.)

E. Designed for Worship Services

1. Seating orientation and sight lines
2. Stages and platforms
3. Audio/ Video/ Lighting

F. Prototype design

III. Expandable Worship Centers

A. Plans to illustrate expandability

B. Internally expandable approaches

1. Change use of space
2. Reserved/ unfinished space
3. Balcony Addition

C. Expansion wall approach

1. Structural considerations
2. Access considerations (stairs/ elevators)
3. Roof drainage
4. HVAC
5. Audio/ video
6. The expansion wall (minimize construction interference)

D. The Down-Side:

1. Orientation/ side entry
2. Some super-sizing required

E. Sizing the Worship Center and phases of expansion