

APPROPRIATE LIGHT FIXTURES, CONCRETE MASONRY UNITS WITH GYPSUM WALLBOARD/VINYL WALLCOVERING AND CARPETING WILL MAKE UP THE FINISH MATERIALS OF THESE OFFICES. SOUND PRIVACY IS IMPORTANT AS THESE SPACES WILL BE USED MOSTLY FOR COUNSELING. A MINIMUM STC RATING OF 52 IS REQUIRED BETWEEN THE OFFICES. IT IS ALSO IMPORTANT THAT EACH DOOR BE PROVIDED WITH A VISION GLASS PANEL. THESE ADMINISTRATIVE OFFICES SHOULD BE MECHANICALLY ZONED FROM THE REST OF THE BUILDING AS THEY WILL BE OCCUPIED ON AN EVERYDAY BASIS.

CLASSROOMS

THESE ROOMS WILL BE EQUIPPED WITH CHAIRS AND A TABLE. AS THEY MAY ACT AS OVERFLOW SPACES FOR THE WORSHIP CENTER, THE CHAIRS IN THESE ROOMS SHOULD BE THE SAME CHAPEL CHAIRS USED IN THE WORSHIP CENTER. GOOD QUALITY FOLDING PARTITIONS SHOULD BE USED TO WITHSTAND FREQUENT USE. ACOUSTICAL PANEL CEILINGS, CONCRETE MASONRY WALLS WITH GYPSUM WALLBOARD/VINYL WALL COVERING AND CARPET WILL MAKE UP THE FINISH MATERIALS IN THESE SPACES. IN SCHEME A, A 900 MM HIGH CABINET WITH MOVEABLE BOOK SHELVES ABOVE IS PROVIDED FOR STORAGE OF EDUCATION MATERIALS. IN SCHEME B, A CLOSET IS PROVIDED FOR THIS PURPOSE.

SUPPORT FACILITIES

JANITOR CLOSETS, STORAGE AREAS, TOILETS AND MECHANICAL ROOMS ARE LOCATED FOR EASY ACCESS AND CLUSTERING OF UTILITIES. TOILET FACILITIES WILL BE DESIGNED SO THEY ARE ACCESSIBLE TO THE HANDICAPPED. A SHOWER HAS BEEN ADDED FOR MILITARY PERSONNEL FOLLOWING PERIODS OF PHYSICAL TRAINING. TOILET ROOMS SHALL HAVE CERAMIC TILE FLOORS AND WALLS, MOISTURE-RESISTANT CEILING TILES AND APPROPRIATE LIGHTING. ADEQUATE EXHAUST FANS AND FLOOR DRAINS ARE TO BE INCLUDED.

THE SACRISTY SHALL BE PROVIDED WITH LOCKABLE BASE CABINETS, A SINK AND SACRARIUM, A FULL-LENGTH MIRROR, AND LOCKABLE STORAGE CLOSETS FOR VESTMENTS AND PARAMENTS.

ALL DOORS THROUGHOUT THE BUILDING ARE A MINIMUM OF 900 MM WIDE BY 2000 MM HIGH. AS STORAGE IS LIMITED, CARE SHOULD BE TAKEN AS TO WHICH ITEMS ARE STORED. AN EXTERIOR STORAGE ROOM HAS BEEN INCLUDED FOR THE CHAPLAIN'S FIELD GEAR.

SYSTEM DESIGN

STRUCTURAL

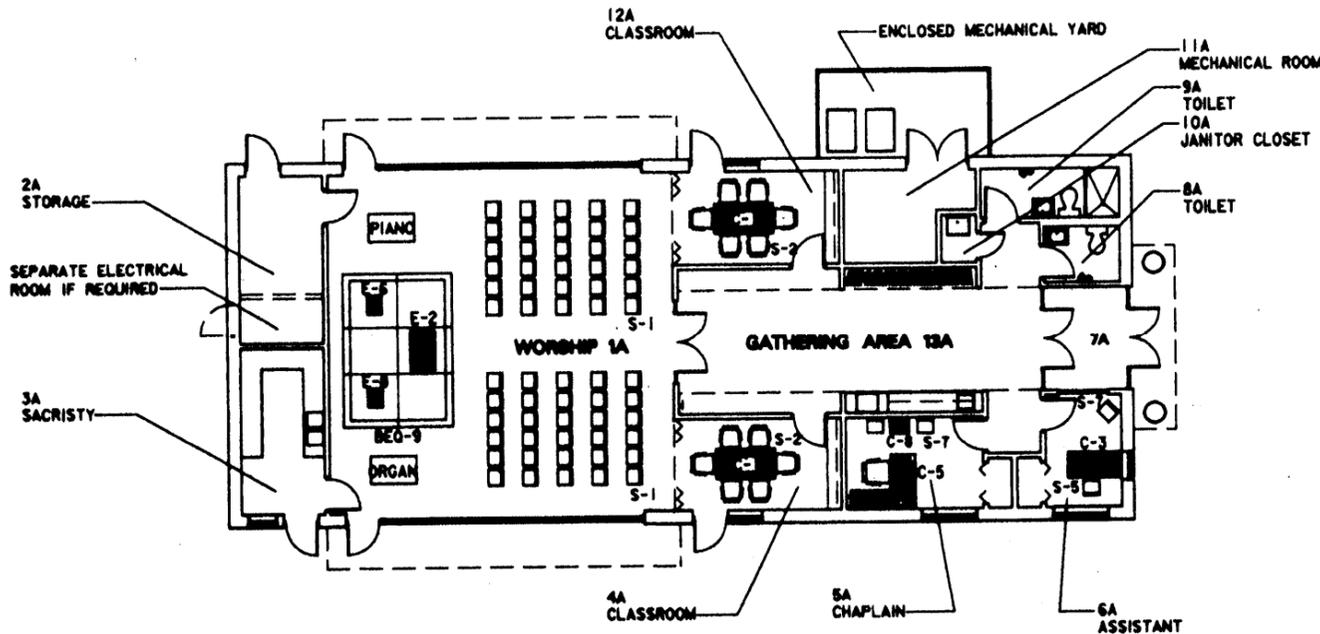
DUE TO THE SCALE OF BOTH SCHEMES, IT IS POSSIBLE THAT A VARIETY OF STRUCTURAL SOLUTIONS MAY BE CONSIDERED. IN ALL CASES, EITHER A CONCRETE BLOCK OR CAST-IN-PLACE CONCRETE FOUNDATION WOULD MOST LIKELY BE APPROPRIATE. WALL FRAMING MAY BE EITHER METAL STUD FRAMING WITH A STRUCTURAL STEEL SKELETON OR LOAD BEARING MASONRY. THE ROOF STRUCTURE MAY BE NONCOMBUSTIBLE HEAVY TIMBER GLUE-LAMINATED WOOD BEAMS AND NON-COMBUSTIBLE DECK, STEEL FRAME/STEEL DECK WITH SUSPENDED PLASTER CEILING OR CONCRETE FRAME WITH AN INFILLED DECK AND SUSPENDED CEILING. GLUE-LAMINATED TIMBER, HEAVY TIMBER, AND OTHER NON-COMBUSTIBLE STRUCTURAL SYSTEMS MAY BE USED WHICH MEET THE REQUIREMENTS OF THE CRITERIA PROVIDED WITH THE INDIVIDUAL DESIGN PROJECT. SINCE THIS BUILDING IS TO BE ERECTED IN MANY DIFFERENT COUNTRIES, THE AVAILABILITY OF MATERIALS MAY DETERMINE THE STRUCTURAL SYSTEM.

THE BUILDING'S DESIGN HAS BEEN MAINTAINED AS A SIMPLE FRAMED STRUCTURE SO THAT MANY STRUCTURAL SYSTEMS MAY BE EMPLOYED. SCISSOR TRUSSES OF HEAVY TIMBER MAY ALSO BE CONSIDERED, ALTHOUGH, TRUSSES WHOSE BOTTOM CHORDS ARE HORIZONTAL SHOULD NOT BE CONSIDERED AS THEY WOULD NOT PROVIDE THE APPROPRIATE ATMOSPHERE FOR THE SPACE. STEEL JOISTS OVER THE ADMINISTRATIVE AREAS, GATHERING AREA AND SUPPORT FACILITIES WOULD PROVIDE ADEQUATE ROOF FRAMING IN THESE AREAS. STRUCTURAL MEMBERS SHOULD BE SLOPED TO PROVIDE PROPER DRAINAGE FOR THE ROOF. CAREFUL ATTENTION SHOULD BE PAID TO STRUCTURAL DEFLECTION AND THERMAL CONDITIONS IN CONNECTION WITH THE ROOFING MATERIALS AND OPENINGS WHICH ARE PART OF THE ROOF.

THE STRUCTURAL DESIGN SHALL MEET THE REQUIREMENTS OF THE CRITERIA PACKAGE PROVIDED WITH THE SPECIFIC PROJECT. STRUCTURAL SYSTEMS ARE TO BE ADAPTED TO ACCOMMODATE SECURITY MEASURES.

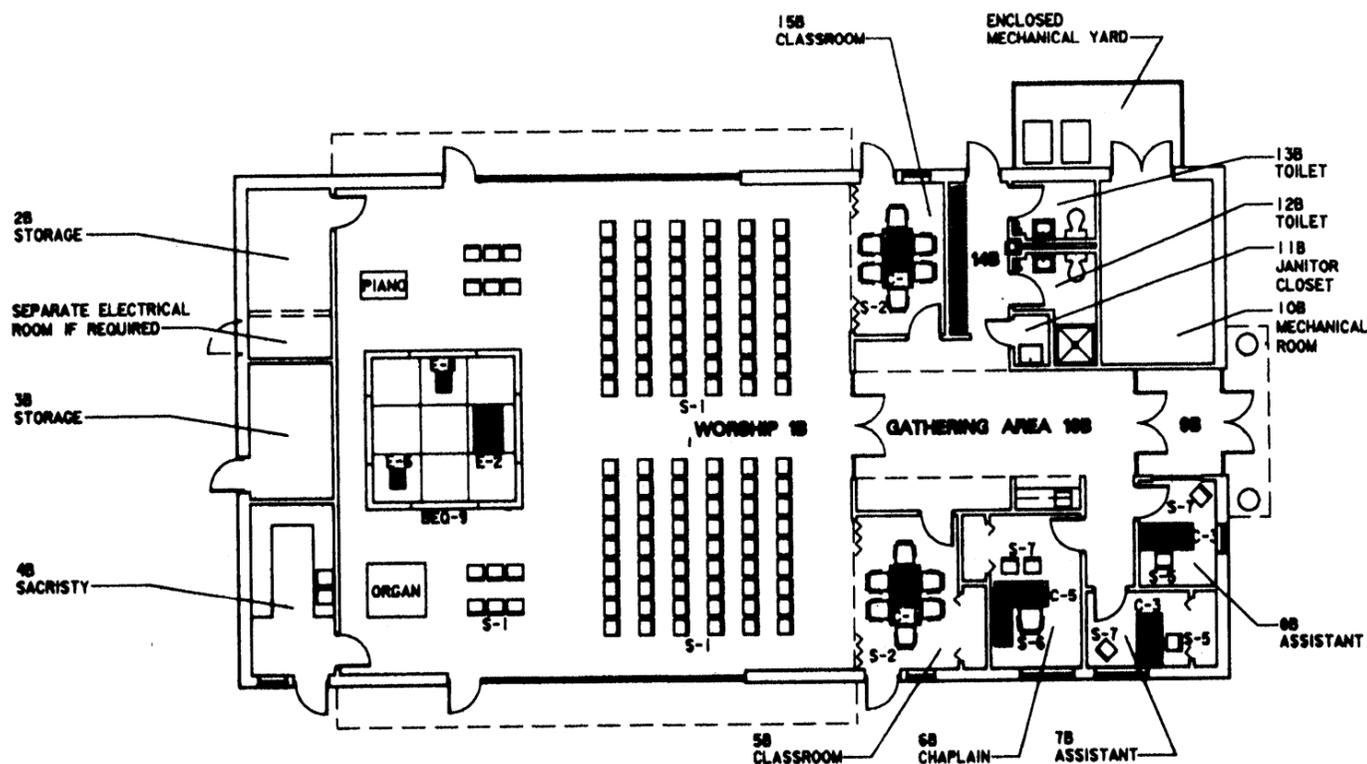
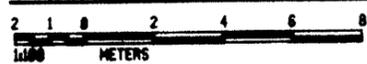
EXTERIOR WALL CONDITIONS MAY BE ONE OF THE EXAMPLES SHOWN. LOAD-BEARING MASONRY OR STEEL FRAME WITH A BRICK OR OTHER VENEER, OR A CAST-IN-PLACE ARCHITECTURAL CONCRETE MIGHT BE SUITABLE. MATERIALS SHOULD BE DURABLE AND EASILY MAINTAINED. SUFFICIENT INSULATION IS TO BE INCLUDED IN THE WALLS AND ROOFS AS REQUIRED FOR EACH CLIMATIC CONDITION.

CONTINUED ON SHEET 6



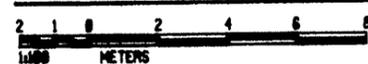
SUGGESTED SEATING ARRANGEMENT SHOWN FOR ILLUSTRATION PURPOSES ONLY.

SCHEME A FLOOR PLAN



SUGGESTED SEATING ARRANGEMENT SHOWN FOR ILLUSTRATION PURPOSES ONLY.

SCHEME B FLOOR PLAN



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

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