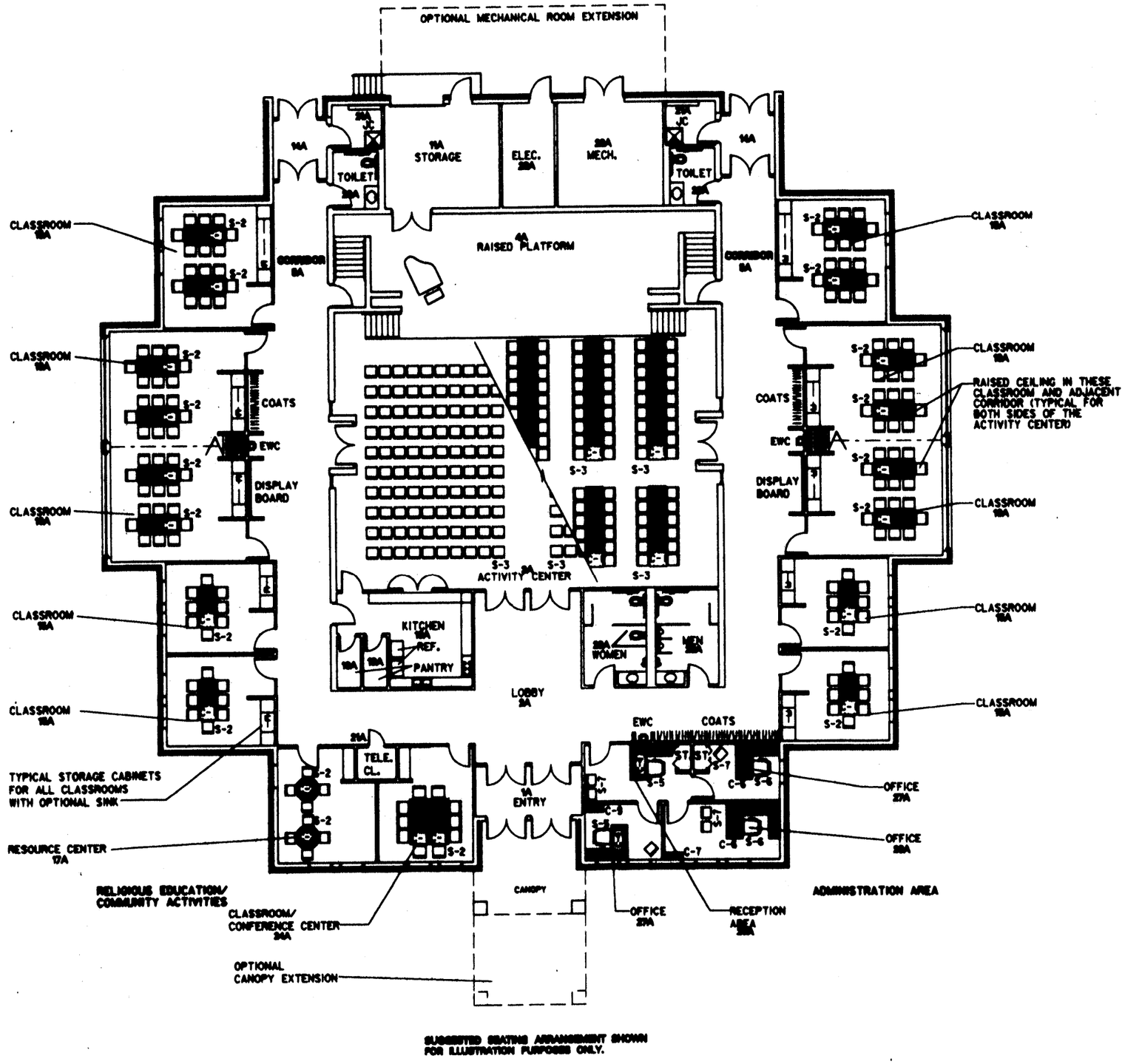


SUGGESTED SEATING ARRANGEMENT SHOWN FOR ILLUSTRATION PURPOSES ONLY.

SCHEME A FLOOR PLAN

2 1 0 2 4 6 8
1:100 METERS

PROJECT DESCRIPTION CONTINUED FROM SHEET 6

PLUMBING

UNDERGROUND SUPPLY, STORM AND SANITARY SEWERS ARE REQUIRED. TOILET FACILITIES, KITCHEN AND FLOOR DRAINS MAKE UP THE MAJORITY OF THE PLUMBING REQUIREMENTS IN THIS FACILITY. THE NUMBER OF TOILET, SINK AND URINAL UNITS ASSUMES A 2/3 MALE, 1/3 FEMALE RATIO AT A MAXIMUM CAPACITY. A DOMESTIC HOT WATER HEATER FOR THE KITCHEN AND SINKS IS TO BE PROVIDED. SOME ADDITIONAL PLUMBING REQUIREMENTS MAY BE REQUIRED IN CRAFTS AREAS. EXTERIOR WATER SUPPLY FOR LANDSCAPE MAY BE CONSIDERED IN APPROPRIATE CLIMATES. PLUMBING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE PROJECT CRITERIA PACKAGE.

FIRE PROTECTION AND EMERGENCY LIGHTING

THE BUILDING SHALL HAVE A COMPLETE AUTOMATIC SPRINKLER SYSTEM. A CENTRAL FIRE ALARM SYSTEM IS TO BE PART OF THE BUILDING SYSTEMS. MANUAL PULL STATIONS, AUDIBLE/VISUAL ALARM, ZONE CONTROL AND AN ANNUNCIATOR PANEL WILL MAKE UP THE BALANCE OF THE SYSTEM. APPLICABLE INDUSTRY STANDARDS AND CODES AND THE PROVIDED FOR THE PROJECT MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS FOR SPRINKLER AND FIRE ALARM SYSTEMS.

EMERGENCY LIGHTING AND NIGHT LIGHTING ARE ESSENTIAL. EXIT ACCESS LIGHTING SHALL BE ON THE BASE EMERGENCY POWER SYSTEM OR HAVE BATTERY BACKUP. ALL SIGNAGE AS REQUIRED BY NFPA 101 LIFE SAFETY CODE IS TO BE INCLUDED IN DESIGNS.

ELECTRICAL

THE ELECTRICAL REQUIRMENTS WILL CONSIST OF LIGHTING, POWER, FIRE ALARM AND DETECTION, TELEPHONE, INTERCOM, PA, AND OTHER AUXILIARY SYSTEMS AS INDICATED IN THE PROJECT CRITERIA PACKAGE. LIGHTNING AND CATHODIC PROTECTION SYSTEMS SHALL BE PROVIDED AS REQUIRED BY THE GEOGRAPHICAL LOCATION AND SOIL CORROSIVITY.

LIGHTING WITHIN THIS FACILITY WILL BE ACCORDING TO THE CRITERIA PROVIDED FOR THE PROJECT. THE ACTIVITIES CENTER WILL REQUIRE SOME SPECIAL ATTENTION TO ACCOMMODATE THE RANGE OF ACTIVITIES POSSIBLE. LIGHTING, ALONG WITH FANS AND FRACTIONAL HORSEPOWER MOTORS, WILL MAKE UP THE MAJORITY OF THE ELECTRICAL LOADS FOR THE BUILDING. A BUDGET OF 100 WATTS PER SQUARE METER IS REQUIRED TO SUPPORT THE LIGHTING AND MISCELLANEOUS 120 VOLT RECEPTACLES.

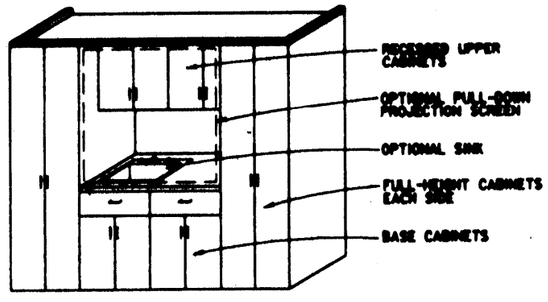
AN ADDITIONAL 50 WATTS PER SQUARE METER SHOULD BE BUDGETED FOR MECHANICAL SYSTEMS. ADDITIONAL POWER WILL BE NECESSARY IF ELECTRICAL AIR-CONDITIONING IS ALLOWED.

THE ELECTRICAL DESIGN SHALL FOLLOW THE REQUIREMENTS OF THE CRITERIA PROVIDED FOR THE PROJECT. ELECTRIC SERVICE TO THE FACILITY SHALL BE UNDERGROUND IF POSSIBLE. THE INSTALLATION MAY ALSO HAVE CRITERIA INPUT FOR THE EXTERIOR LIGHTING FOR PARKING AREAS AND WALKWAYS.

A TIE-IN TO A FUTURE BASEWIDE COMMUNICATIONS SYSTEM SHALL BE PROVIDED. VIDEOTAPING OF PRESENTATIONS MADE IN THE ACTIVITIES CENTER MAY BE DESIRABLE BY THE USER AND SHOULD BE CONSIDERED. IF A SOUND SYSTEM IS CONSIDERED FOR THE ACTIVITIES CENTER, IT SHOULD BE CONTROLLED FROM A LOCATION NEAR THE MAIN ENTRANCE TO THIS SPACE. SPECIALTY OUTLETS LIGHTING AND SWITCHES SHALL BE PROVIDED TO SUPPORT SEASONAL DISPLAYS AND OTHER SPECIAL NEEDS. THIS MAY INCLUDE LOCATIONS IN THE ENTRY, THE ADMINISTRATIVE OFFICE, LOUNGE OR RAISED PLATFORM.

CONTINUED ON SHEET 9

NOTE: PROVIDE ALL CABINETS WITH ADJUSTABLE SHELF SYSTEMS



TYPICAL CLASSROOM STORAGE CABINETS
NO SCALE

US Army Corps of Engineers Omaha District

DEPARTMENT OF THE ARMY
TRIBAL DEVELOPMENT PROGRAM
CHEYENNE RIVER SIOUX
SCHEME A FLOOR PLAN - SCHEME A
& PROJECT DESCRIPTION

Sheet reference number: 7
Sheet 7 of 11