PROJECT: MINGALARAMA MONASTERY RESIDENCE HALL

- ENERGY USE INTENSITY (EUI) = 107 kBtu/sf/yr
- PERCENT CO2 REDUCTION = 33%
- ENERGY STAR DESIGN RATING = 84

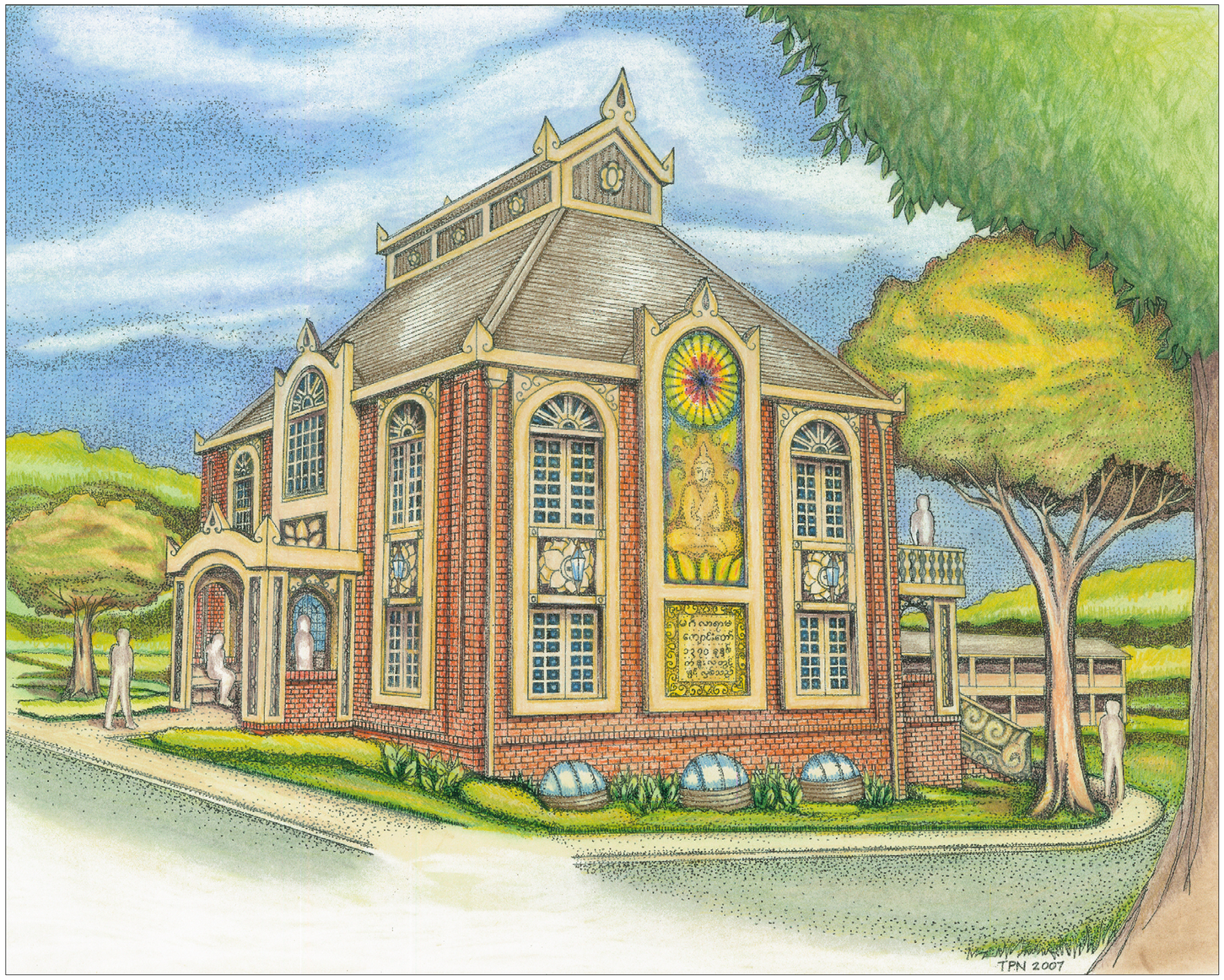
ANNUAL SAVINGS STATISTICS

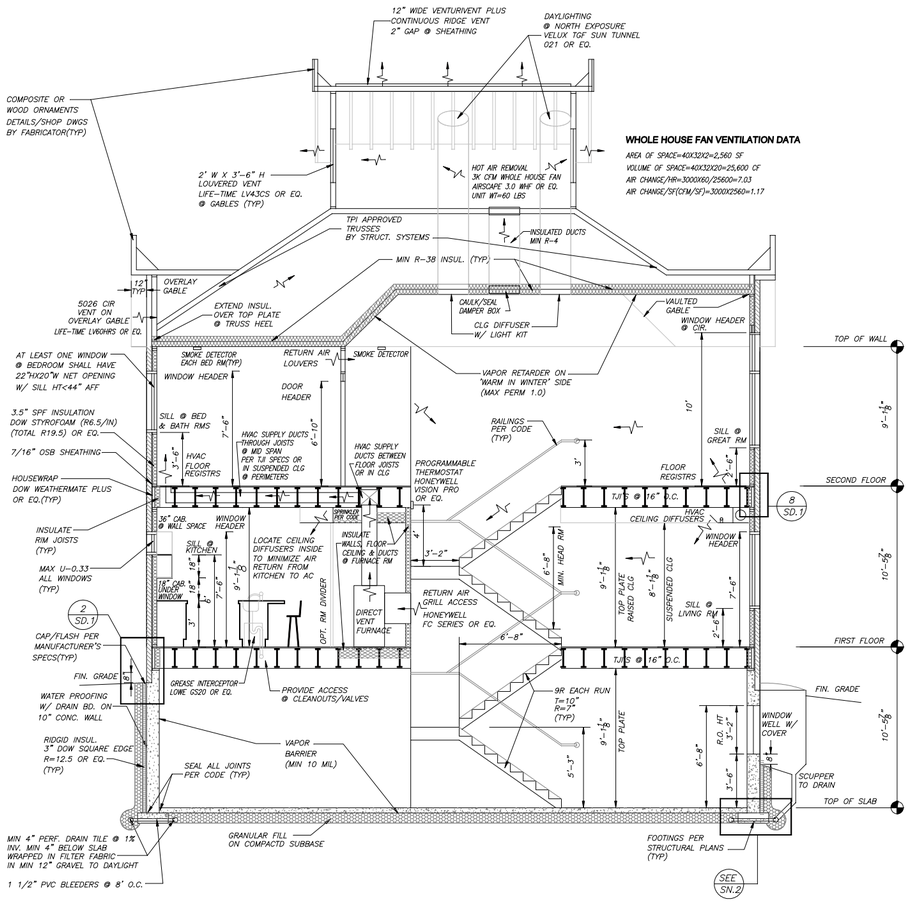
(COMPARED TO AN AVERAGE BUILDING EPA RATING OF 50)

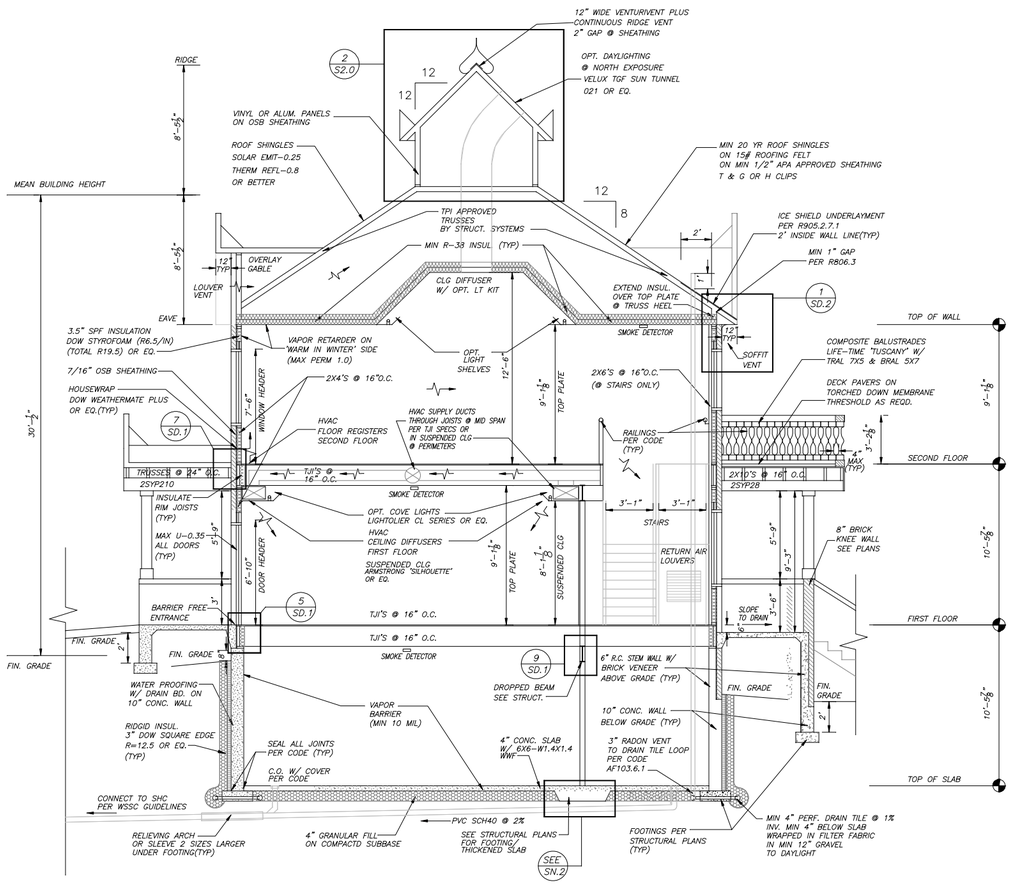
- ENERGY SAVINGS = 270,000 kBtu
- CO2 SAVINGS = 13 Metric Tons CO2

DESIGN STRATEGIES

- MINIMIZE IMPERVIOUS FOOTPRINT
- EMPLOY LOW IMPACT DEVELOPMENT STRATEGIES
- RECYCLE DEMOLITION MATERIALS
- RELOCATE EXISTING LANDSCAPE MATERIALS
- SPECIFY NATIVE AND DRAUGHT RESISTANT PLANTS
- RAINWATER HARVESTING
- MAXIMIZE NATURAL VENTILATION, WHOLE HOUSE VENT
- MAXIMIZE DAYLIGHTING, SUN TUNNELS, LIGHT SHELVES
- BUILDING ORIENTATION, EAST-WEST AXIS
- DECIDIOUS TREES ON SOUTH SIDE, SUMMER SHADE
- BRICK VENEER, THERMAL MASS-INSULATION
- HIGH EFFICIENCY HVAC, MINIMIZE DUCT RUNS
- THERMAL MASS, INSULATE ENTIRE BASEMENT SLAB
- WATER SAVING PLUMBING FIXTURES
- TANKLESS WATER HEATER
- SOLAR LIGHT FIXTURES







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DESIGNED TO EARN THE ENERGY STAR

The estimated energy performance for this design meets US EPA criteria. The building will be eligible for ENERGY STAR after maintaining superior performance for one year.

RESIDENCE HALL

MINGALARAMA MONASTERY

1708 Powder Mill Road, Silver Spring, MD 20903