PART 0 DESIGN STANDARDS

0.01 GENERAL DESIGN GUIDELINES

A. Insulation shall be designed to provide a complete, unbroken thermal building envelope.

B. At minimum, provide insulation types and thicknesses based on composite insulation value of R-19 for walls and R-30 for roof and roof-ceiling assemblies. Also refer to standard Section 15010 for thermal performance requirements.

C. Consider insulation of boiler room ceilings under occupied spaces.

D. See roof insulation section for additional standards.

E. See gypsum board systems sections for acoustic/sound insulation.

F. See fireproofing sections for fire safing insulation.

G. Coordinate code requirements for proper ratings for both exposed and hidden conditions.

H. Exterior insulation and finish systems (EIFS) are prohibited on DPS facilities.

PART 1 GENERAL No standards

PART 2 PRODUCTS

2.01 MATERIALS

A. Cavity Wall: 2” minimum thickness polyisocyanurate foam; size shall be coordinated with horizontal spacing of masonry reinforcing.

B. Foundation: 2” minimum thickness extruded polystyrene foam insulation

C. Wall and Ceiling: Glass fiber batts, foil face

D. Exterior door and window perimeter shim voids and similar spaces: Insulating foam sealant

PART 3 EXECUTION No standards

END OF SECTION 07210