Shadow Testing “Tophat” Model

Construction Procedure

* 20’x20’ grid
* Level 1: 0’-0”
* Level 2: 10’-0”
* Walls
  + Placed on grid by “Finish Face: Interior”
  + “Exterior - Brick on CMU Custom”
    - 0’ - 3 ⅝” Brick, Common
    - 0’ - 1” Air
    - 0’ - 3” Rigid Insulation
    - \*CORE BOUNDARY\*
    - 0’ 7 ⅝” Concrete Masonry Units
    - \*CORE BOUNDARY\*
    - 0’ 0 ⅝” Gypsum Wall Board
* Floor
  + Level:
    - Level 1 (top-aligned with level 1)
  + “Concrete Floor - 8””
    - 0’ - 8” Concrete, Cast-in-Place, Gray
* Roof
  + Level:
    - Level 2 (bottom-aligned with level 2)
  + “Concrete Roof - 8””
    - 0’ - 8” Concrete, Cast-in-Place, Gray
  + Tophat Extensions:
    - Version 1 (Two extensions of varying depth):
      * Base roof over structure defined by “Pick Wall”
      * South Roof is separate structure
        + Same width as main roof
        + Extends 40’ away from building
      * East Roof is separate structure
        + Same width as main roof
        + Extends 10’ away from building
    - Version 2 (One overhang lopped off)
      * Base roof over structure defined by “Pick Wall”
      * North, East and West definition lines moved 5’ radially away from their original locations