

SHADE STUDY CALCULATION:

SIDEWALK SHADE REQUIREMENT:

PER UNIFIED DEVELOPMENT CODE SECTION 5.12.6.A.2.A.: SHADE SHALL BE PROVIDED FOR AT LEAST 50 PERCENT OF ALL SIDEWALKS AND PEDESTRIAN ACCESS PATHS AS MEASURED AT 2:00PM ON JUNE 21ST WHEN THE SUN IS AT 82 DEGREES ABOVE THE HORIZON.

BELOW ARE THE CALCULATIONS FOR THE SIDEWALKS FOR ALL THREE SIDES OF THE SUBJECT BUILDING:

BROADWAY BLVD SIDEWALK (NORTH):

BROADWAY SIDEWALK = 938 SF
BUILDING FACADE SHADE = 877 SF

$877 \text{ SF} / 938 \text{ SF} = 93.5 \% \text{ PROVIDED} > 50\% \text{ REQUIRED.}$

STONE AVE SIDEWALK (WEST):

STONE SIDEWALK = 1,710 SF
BUILDING OVERHANG AND TREE SHADE = 1,014 SF

$1,014 \text{ SF} / 1,710 \text{ SF} = 59.3 \% \text{ PROVIDED} > 50\% \text{ REQUIRED.}$

JACKSON ST SIDEWALK (SOUTH):

JACKSON SIDEWALK = 867 SF
CANOPY / BLDG. OVERHANG SHADE = 452 SF

$452 \text{ SF} / 867 \text{ SF} = 52.1 \% \text{ PROVIDED} > 50\% \text{ REQUIRED.}$