MANDATORY MEASURES

DAYLIGHTING CONTROLS

Reference: Sub-Chapter 4, Section 130.1(d)

DAYLIGHTING CONTROLS

- General lighting in the areas under skylights and directly adjacent to windows must have daylighting controls.
- Lighting in daylit zones should have multi-level steps, per Table 130.1-A
- Light levels provided at night should be available at all other times
- When sufficient daylight is available, controls must reduce lighting power by at least 65%







DAYLIGHTING CONTROLS | SECTION 4

7

DAYLIGHT ZONES

Areas within a building that are close enough to a source of daylight that daylight harvesting is possible are considered within a "daylight zone."

Skylit Zone: An area illuminated by one or more skylights

Primary Sidelit Zone: A daylit area directly adjacent to one or more windows

Secondary Sidelit Zone: An area not directly adjacent to a window that still receives some daylight through its proximity to the window

Daylight zones must be marked on building floor plans.

Section 130.1 (d)1

DAYLIGHTING CONTROLS | SECTION 4

78

CALCULATING A SKYLIT ZONE Calculation Steps: Define the approximate shape of the opening of the skylight Determine the ceiling height (CH) Multiply the CH by 0.7 Add this value in all Ceiling Height directions around the skylight (starting at the edge of the rough opening) Subtract any area in which has a permanent obstruction taller than half the distance from the floor to the Add in all Directions bottom of the skylight Width and length = Opening of skylight + (0.7 X ceiling height from opening) DAYLIGHTING CONTROLS | SECTION 4















