

## **DXAIR INDOOR POOL DESIGN GUIDELINES DROP CEILINGS IN POOL ROOMS**



**Drop Ceilings in any indoor pool structure are discouraged due to the myriad of problems created by this type of ceiling. Veri-Dry, LLC and numerous other building professionals do not recommend drop ceilings for the following reason: warm, moist air becomes trapped above the drop and creates moisture and subsequent damage to the ceiling areas and other structural members in this area. In many cases, these types of ceiling cave in due to excessive moisture.**

**If a drop ceiling is installed, the air above the drop MUST be ventilated with conditioned room air to avoid the confined trapped humid air in this area. Despite applying ventilation to this area, the ceiling, lights, insulation, supports, etc. may still be subject to hidden or trapped condensation and cause damage to these areas down the road.**

**The proper vapor barrier and insulation must be installed above the drop, and negative pressure must be maintained within the structure at all times to help prevent problems that occur with this design. These still do not guaranty that moisture will not be found above the drop ceiling.**

**Our recommendation is to design the room without a drop ceiling.**