



WDMA / AAMA / CSA JOINT TECHNICAL INTERPRETATION

INTERPRETATION
NUMBER

08-02a

Approved 9/09

DATE OF INQUIRY: October 31, 2008 (Rewrite of TI 08-02 to address AAMA negative and JDMG guidance)

PERTINENT JOINT WDMA/AAMA/CSA SPECIFICATION(S): 101/I.S.2/A440-08.

SECTION(S) IN QUESTION:

Figure 11 (d) – test specimen mounting arrangement for TDD's.

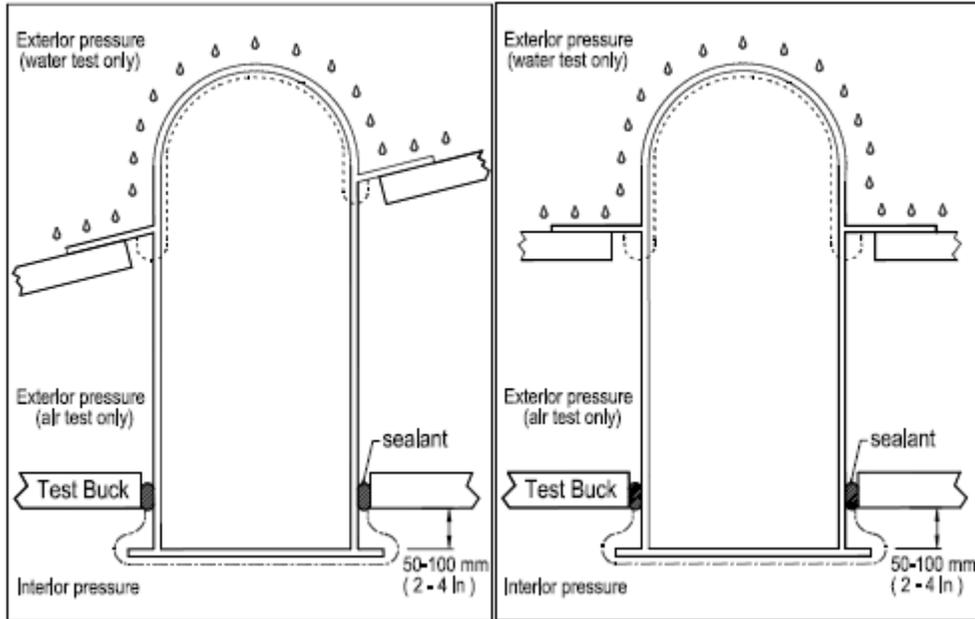
In this figure, there is a seal shown between a horizontal test buck at "ceiling" level and the outside of the light transmitting tube. In the air leakage testing mode described for this arrangement, it is apparent that the intent is to treat the "attic space" thus formed as unconditioned space with insulation at the ceiling so that all leakage to/from this unconditioned space and the outside space that enters the tube can be measured at the tube exit point (diffuser) in the "conditioned" space below the ceiling.

Some TDD manufacturers offer variants that are designed to be used only in commercial construction, where the tube is to be installed in conditioned space (insulation at the roof). NFRC procedures have been updated to cover this product variant, where they chose the term "Hybrid" TDD, abbreviated as "HTDD". The next revision of NAFS standard/specification will need to address this product variant because the current air leakage test procedure shown in Figure 11(d) is inappropriate when the product is not used with an insulated ceiling. This TI is to bridge the time gap until that revision is published in 2011.

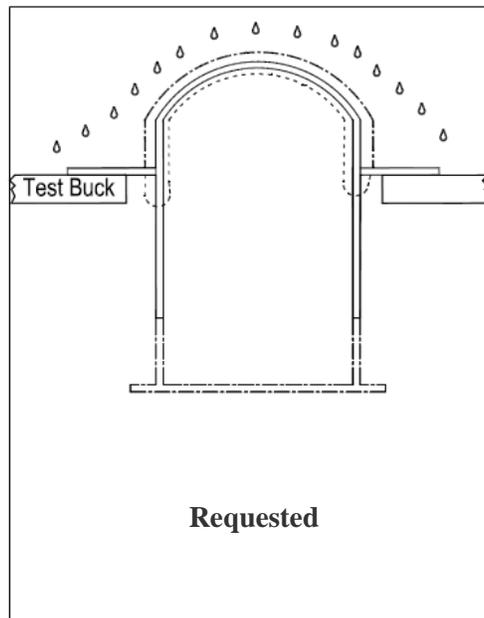
INTERPRETATION REQUESTED:

Shall it be permitted to treat a product designed and specified by the manufacturer to be used only where the tube will be installed in conditioned space, and is a minimum of 20" across, as a "Tubular Skylight", and test it according to the skylight testing provisions for air, water and structural performance?

See drawings (below):



Currently prescribed in 101/I.S.2/A440-08



<p>----- Plane of Measured Air Leakage</p> <p>△ △ △ △ △ △ Plane of Water Spray Application</p> <p>..... Plane of Controlled Water Penetration</p>	<p>Air leakage is measured at the exterior seal line of the assembly. Air leakage through the test fixture and the perimeter seal is excluded. The water spray is applied to the exterior of the assembly and its juncture with the test fixture. The plane of controlled water penetration is defined as the innermost plane of the test assembly. This does not include the interface between the rough opening and the frame.</p>
---	--

SUGGESTED INTERPRETATION: Yes

REVIEWED/APPROVED BY:

COMMITTEE	COMMENTS / ACTION	STATUS	DATE
JDMG			
AAMA		Approved	2/24/2009
CSA		Approved	9/1/09
WDMA		Approved	12/11/08