

**NFRC 400-2010 Ballot** [\(click here to access the original proposed ballot\)](#)



**NFRC Ballot Comments through November 2, 2009**  
**Technical Committee – Air Leakage Subcommittee**

**Legend:**

*AC :Approve with Comment*

*NEG: Negative response with Comments*

Company Name, Rep Initials	AC/ NEG	Section and/or Page #	Comment/Alternate Language
Andersen Corp, SJ	NEG	Table 4-1	Support concept, however, minimum sizes in Table 4-1 are slightly different from those in the 101/I.S.2/A440 standard and in NFRC 100- why establish yet another size grid?. Recommend using size grid in joint industry standard when testing to joint industry standard.
Andersen Corp, SJ	NEG	Section 5	Also unclear how the reporting differences are to be reconciled (to my understanding, NFRC 400 requires a specific value to be reported; joint standard does not)
WESTLab, JB	NEG	Table 4-1	Why are we defining a new size table here. I would recommend NFRC 100 and/or NAFS-08.
ODL, DD	NEG	Table 4-1	Why are H/ TDDs not in the chart? Add the tubular skylights to table 4.1
VELUX, RL	NEG	Section 4.F, Page 2	Operating force shall be measured and recorded per Table 5 in AAMA/WDMA/CSA 101/I.S.2/A440-08 for all operable fenestration products. The specimen shall be operated per ASTM E 283 prior to an air leakage test being performed. No adjustments shall be made to the specimen between conducting the operating force and air leakage tests.
VELUX, RL	NEG	4.G Note 1	[ <b>Note 1.:</b> This procedure references the use of ASTM E 283 as the only method for measuring individual product air leakage rates. ASTM E 283 is a laboratory test method that has been used for many years to measure air leakage rates under controlled conditions. Because this procedure measures air leakage rates <u>at</u> only one pressure differential, it is best used to compare the relative performance of fenestration products. It does not directly provide information on how a product will perform in a specific building application at field conditions.]

Company Name, Rep Initials	AC/NEG	Section and/or Page #	Comment/Alternate Language						
VELUX, RL	NEG	Table 4-1	<p style="text-align: center;">Table 4-1: Operator Types and Minimum Specimen Sizes</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th data-bbox="1158 277 1768 415">Operator Type</th> <th data-bbox="1774 277 2381 415">Specimen Size (width by height) Units = mm (inches)</th> </tr> </thead> <tbody> <tr> <td data-bbox="1158 418 1768 483">Tubular Daylighting Device</td> <td data-bbox="1774 418 2381 483"><del>330</del>250 (1<del>30</del>) tube diameter</td> </tr> <tr> <td data-bbox="1158 487 1768 553"><u>Tubular Daylighting Device (Hybrid tube)</u></td> <td data-bbox="1774 487 2381 553"><u>500 (20) main tube diameter</u></td> </tr> </tbody> </table>	Operator Type	Specimen Size (width by height) Units = mm (inches)	Tubular Daylighting Device	<del>330</del> 250 (1 <del>30</del> ) tube diameter	<u>Tubular Daylighting Device (Hybrid tube)</u>	<u>500 (20) main tube diameter</u>
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TRACO, SK	APC		What happens when AAMA/WDMA/CSA .. differential pressure is other than 75 Pa? How would one compare the ratings? Pressure differential requirement for AW –rated products and rest of the products are different. What happens when products are tested at sizes different than table 4-1? How would one compare ratings?						
Alliance to Save Energy, NP	APC	Section 6	Under 6. "References", the numbering of the references should be 1 thru 6.						