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deformations.

Moment  $M = M A - N$   
 $A R (1 - u) + V A R z$

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+ LT M. Hoop Stress

$$N = N A u + V a z +$$

LT N. Radial Shear V

$$= - N A z + V A u + LT$$

v. LT M LT N, and LT

V are load terms for several types of load.

Note: Loads beyond

180° not support in

load terms equations.

$$LT M = -WR [ 1 - \cos($$

$$x - \theta) ] \quad x - \theta \geq 0$$

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$A R (1 - u) + \frac{V}{A} R z$

+ LT M. Hoop Stress.

$N = N A u + \frac{V}{A} a z +$

LT N. Radial Shear.  $V$

$= -\frac{N}{A} z + \frac{V}{A} u + \frac{LT}{v}$

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$V$  are load terms for  
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