## Rough Opening Diagram and Sizes Guide for Andersen ${ }^{\circledR}$ 200/400 Series Circle Top"' and Quarter Round Windows

## INSTALLER: Please leave this guide with the building owner to file for future reference.

For ease of installation and continued enjoyment of your Andersen ${ }^{\circledR}$ product, please read and follow this Instruction Guide completely. You may direct any questions about this or other products to your local Andersen dealer, found in the Yellow Pages under "Windows", or call Andersen WindowCare ${ }^{\circledR}$ service center at 1-888-888-7020 Monday through Friday, 7 a.m. to 7 p.m. Central Time and Saturday, 8 a.m. to 4 p.m. Central Time. Assembly and installation of Andersen products is the sole responsibility of the architect, building owner, contractor and/or consumer and Andersen has no responsibility in this regard. Thank you for choosing Andersen.

## A WARNING

Weight of window and door unit(s) and accessories will vary. Use a reasonable number of people with sufficient strength to lift, carry, and install window and door unit(s) and accessories. Always use appropriate lifting techniques.

## A WARNING

Improper use of hand or power tools could result in personal injury and/or product damage. Follow equipment manufacturer's instructions for safe operation. Always wear safety glasses.

## AWARNING

Use of ladders and/or scaffolding and working at elevated levels may be hazardous. Follow equipment manufacturer's instructions for safe operation. Use extreme caution when working around window and door openings. Falling from opening may result in personal injury or death.


Rough Opening Diagram and Sizes Guide

## Rough Opening Dimensions

400 Series Tilt-Wash and 200 Series Narroline ${ }^{\circledR}$ Circle Top ${ }^{\text {te }}$ Windows

| Unit Des. | Unit Width | Unit Height | Unit Radius | R. $\mathbf{O}$. Width | R. $\mathbf{O}$. Height | Radius | Radius Center to Top of Sill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTN20 | $2^{\prime} 1-5 / 8^{\prime \prime}$ | $1^{\prime} 3-3 / 16^{\prime \prime}$ | $1^{\prime} 13 / 16^{\prime \prime}$ | $2^{\prime} 2-1 / 8^{\prime \prime}$ | $1^{\prime} 3-3 / 4^{\prime \prime}$ | $1^{\prime} 1-1 / 16^{\prime \prime}$ | $2-11 / 16^{\prime \prime}$ |
| CTN24 | $2^{\prime} 5-5 / 8^{\prime \prime}$ | $1^{\prime} 5-3 / 16^{\prime \prime}$ | $1^{\prime} 2-13 / 16^{\prime \prime}$ | $2^{\prime} 6-1 / 8^{\prime \prime}$ | $1^{\prime} 5-3 / 4^{\prime \prime}$ | $1^{\prime} 3-1 / 16^{\prime \prime}$ | $2-11 / 16^{\prime \prime}$ |
| CTN28 | $2^{\prime} 9-5 / 8^{\prime \prime}$ | $1^{\prime} 7-3 / 16^{\prime \prime}$ | $1^{\prime} 4-13 / 16^{\prime \prime}$ | $2^{\prime} 10-1 / 8^{\prime \prime}$ | $1^{\prime} 7-3 / 4^{\prime \prime}$ | $1^{\prime} 5-1 / 16^{\prime \prime}$ | $2-11 / 16^{\prime \prime}$ |
| CTN30 | $3^{\prime} 1-5 / 8^{\prime \prime}$ | $1^{\prime} 9-3 / 16^{\prime \prime}$ | $1^{\prime} 6-13 / 16^{\prime \prime}$ | $3^{\prime} 2-1 / 8^{\prime \prime}$ | $1^{\prime} 9-3 / 4^{\prime \prime}$ | $1^{\prime} 7-1 / 16^{\prime \prime}$ | $2-11 / 16^{\prime \prime}$ |
| CTN34 | $3^{\prime} 5-5 / 8^{\prime \prime}$ | $1^{\prime} 11-3 / 16^{\prime \prime}$ | $1^{\prime} 8-13 / 16^{\prime \prime}$ | $3^{\prime} 6-1 / 8^{\prime \prime}$ | $1^{\prime} 11-3 / 4^{\prime \prime}$ | $1^{\prime} 9-1 / 16^{\prime \prime}$ | $2-111 / 16^{\prime \prime}$ |
| CTN28-2 | $5^{\prime} 7-5 / 16^{\prime \prime}$ | $3^{\prime}$ | $2^{\prime} 9-11 / 16^{\prime \prime}$ | $5^{\prime} 7-7 / 8^{\prime \prime}$ | $3^{\prime} 1 / 2^{\prime \prime}$ | $2^{\prime} 9-7 / 8^{\prime \prime}$ | $2-5 / 8^{\prime \prime}$ |
| CTN30-2 | $6^{\prime} 3-5 / 16^{\prime \prime}$ | $3^{\prime} 4^{\prime \prime}$ | $3^{\prime} 1-11 / 16^{\prime \prime}$ | $6^{\prime} 3-7 / 8^{\prime \prime}$ | $3^{\prime} 4-1 / 2^{\prime \prime}$ | $3^{\prime} 1-7 / 8^{\prime \prime}$ | $2-5 / 8^{\prime \prime}$ |

200/400 Series Casement/Awning Circle Top ${ }^{\text {™ }}$ Windows

| Unit Des. | Unit Width | Unit Height | Unit Radius | R. $\mathbf{O}$. Width | R. $\mathbf{O}$. Height | Radius | Radius Center to Top of Sill |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTC1 | $2^{\prime} 1 / 8^{\prime \prime}$ | $1^{\prime} 2-3 / 8^{\prime \prime}$ | $1^{\prime} 1 / 16^{\prime \prime}$ | $2^{\prime} 5 / 8^{\prime \prime}$ | $1^{\prime} 2-7 / 8^{\prime \prime}$ | $1^{\prime} 5 / 16^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |
| CTCW1 | $2^{\prime} 4-3 / 8^{\prime \prime}$ | $1^{\prime} 4-1 / 2^{\prime \prime}$ | $1^{\prime} 2-3 / 16^{\prime \prime}$ | $2^{\prime} 4-7 / 8^{\prime \prime}$ | $1^{\prime} 5^{\prime \prime}$ | $1^{\prime} 2-7 / 16^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |
| CTCX1 | $2^{\prime} 7-1 / 2^{\prime \prime}$ | $1^{\prime} 6^{\prime \prime}$ | $1^{\prime} 3-11 / 16^{\prime \prime}$ | $2^{\prime} 8^{\prime \prime}$ | $1^{\prime} 6-1 / 2^{\prime \prime}$ | $1^{\prime} 3-15 / 16^{\prime \prime}$ | $2-9 / 6^{\prime \prime}$ |
| CTCXW1 | $2^{\prime} 11-15 / 16^{\prime \prime}$ | $1^{\prime} 8-1 / 4^{\prime \prime}$ | $1^{\prime} 5-15 / 16^{\prime \prime}$ | $3^{\prime} 1 / 2^{\prime \prime}$ | $1^{\prime} 8-3 / 4^{\prime \prime}$ | $1^{\prime} 6-3 / 16^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |
| CTC2 | $4^{\prime}$ | $2^{\prime} 2-5 / 16^{\prime \prime}$ | $2^{\prime}$ | $4^{\prime} 1 / 2^{\prime \prime}$ | $2^{\prime} 2-7 / 8^{\prime \prime}$ | $2^{\prime} 1 / 4^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |
| CTCW2 | $4^{\prime} 8-1 / 2^{\prime \prime}$ | $2^{\prime} 6-9 / 16^{\prime \prime}$ | $2^{\prime} 4-1 / 4^{\prime \prime}$ | $4^{\prime} 9^{\prime \prime}$ | $2^{\prime} 7-1 / 8^{\prime \prime}$ | $2^{\prime} 4-1 / 2^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |
| CTCX2 | $5^{\prime} 2-3 / 4^{\prime \prime}$ | $2^{\prime} 9-5 / 8^{\prime \prime}$ | $2^{\prime} 7-5 / 16^{\prime \prime}$ | $5^{\prime} 3-1 / 4^{\prime \prime}$ | $2^{\prime} 10-1 / 8^{\prime \prime}$ | $2^{\prime} 7-9 / 16^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |
| CTC3 | $5^{\prime} 11-7 / 8^{\prime \prime}$ | $3^{\prime} 2-1 / 4^{\prime \prime}$ | $2^{\prime} 11-15 / 16^{\prime \prime}$ | $6^{\prime} 3 / 8^{\prime \prime}$ | $3^{\prime} 2-3 / 4^{\prime \prime}$ | $3^{\prime} 3 / 16^{\prime \prime}$ | $2-9 / 16^{\prime \prime}$ |

## 200/400 Series Casement/Awning Quarter Round Windows

| Unit Des. | Unit Width | Unit Height | Unit Radius | R. $\mathbf{O}$ Width | R. $\mathbf{0}$. Height | Radius | Radius Center to Sill/Jamb |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CTQC1 | $2^{\prime} 1 / 8^{\prime \prime}$ | $2^{\prime} 1 / 8^{\prime \prime}$ | $2^{\prime}$ | $2^{\prime} 5 / 8^{\prime \prime}$ | $2^{\prime} 5 / 8^{\prime \prime}$ | $2^{\prime} 1 / 4^{\prime \prime}$ | $3 / 8^{\prime \prime}$ |
| CTQCW1 | $2^{\prime} 4-3 / 8^{\prime \prime}$ | $2^{\prime} 4-3 / 8^{\prime \prime}$ | $2^{\prime} 4-1 / 4^{\prime \prime}$ | $2^{\prime} 4-7 / 8^{\prime \prime}$ | $2^{\prime} 4-7 / 8^{\prime \prime}$ | $2^{\prime} 4-1 / 2^{\prime \prime}$ | $3 / 8^{\prime \prime}$ |
| CTQCX1 | $2^{\prime} 7-1 / 2^{\prime \prime}$ | $2^{\prime} 7-1 / 2^{\prime \prime}$ | $2^{\prime} 7-3 / 8^{\prime \prime}$ | $2^{\prime} 8^{\prime \prime}$ | $2^{\prime} 8^{\prime \prime}$ | $2^{\prime} 7-5 / 8^{\prime \prime}$ | $3 / 8^{\prime \prime}$ |
| CTQA3 | $2^{\prime} 11-15 / 16^{\prime \prime}$ | $2^{\prime} 11-15 / 16^{\prime \prime}$ | $2^{\prime} 11-13 / 16^{\prime \prime}$ | $3^{\prime} 1 / 2^{\prime \prime}$ | $3^{\prime} 1 / 2^{\prime \prime}$ | $3^{\prime} 1 / 4^{\prime \prime}$ | $3 / 8^{\prime \prime}$ |

200 Series Tilt-Wash Circle Top ${ }^{\text {tm }}$ Windows

| Unit Des. | Unit Width | Unit Height | Unit Radius | R. $\mathbf{O}$. Width | R. $\mathbf{0}$. Height | Radius | Radius Center to Top of Sill |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 244 CT18 | $1^{\prime} 7-1 / 2^{\prime \prime}$ | $1^{\prime} 5 / 8^{\prime \prime}$ | $9-3 / 4^{\prime \prime}$ | $1^{\prime} 88^{\prime \prime}$ | $1^{\prime} 1-1 / 8^{\prime \prime}$ | $10^{\prime \prime}$ | $3-1 / 8^{\prime \prime}$ |
| 244 CT20 | $1^{\prime} 11-12^{\prime \prime}$ | $1^{\prime} 2-5 / 8^{\prime \prime}$ | $11-3 / 4^{\prime \prime}$ | $2^{\prime}$ | $1^{\prime} 3-1 / 8^{\prime \prime}$ | $1^{\prime}$ | $3-1 / 8^{\prime \prime}$ |
| 244 CT24 | $2^{\prime} 3-1 / 2^{\prime \prime}$ | $1^{\prime} 4-5 / 8^{\prime \prime}$ | $1^{\prime} 1-3 / 4^{\prime \prime}$ | $2^{\prime} 4^{\prime \prime}$ | $1^{\prime} 5-1 / 8^{\prime \prime}$ | $1^{\prime} 2^{\prime \prime}$ | $3-1 / 8^{\prime \prime}$ |
| 244 CT28 | $2^{\prime} 7-1 / 2^{\prime \prime}$ | $1^{\prime} 6-5 / 8^{\prime \prime}$ | $1^{\prime} 3-3 / 4^{\prime \prime}$ | $2^{\prime} 8^{\prime \prime}$ | $1^{\prime} 7-1 / 8^{\prime \prime}$ | $1^{\prime} 4^{\prime \prime}$ | $3-18^{\prime \prime}$ |
| 244 CT30 | $2^{\prime} 11-1 / 2^{\prime \prime}$ | $1^{\prime} 8-5 / 8^{\prime \prime}$ | $1^{\prime} 5-3 / 4^{\prime \prime}$ | $3^{\prime}$ | $1^{\prime} 9-1 / 8^{\prime \prime}$ | $1^{\prime} 6^{\prime \prime}$ | $3-1 / 8^{\prime \prime}$ |
| 244 CT34 | $3^{\prime} 3-1 / 2^{\prime \prime}$ | $1^{\prime} 10-5 / 8^{\prime \prime}$ | $1^{\prime} 7-3 / 4^{\prime \prime}$ | $3^{\prime} 4^{\prime \prime}$ | $1^{\prime} 11-1 / 8^{\prime \prime}$ | $1^{\prime} 8^{\prime \prime}$ | $3-1 / 8^{\prime \prime}$ |

