

# centor ARCHITECTURAL

weathersealed multi-panel external sliding system



# CONTENTS

|   |   |
|---|---|
| Creating Grand Openings .....               | 1 |
| Creating All-Season Views .....             | 2 |
| 'Center Grade' Design and Manufacture ..... | 3 |
| Architectural Detail .....                  | 4 |
| Component Selection .....                   | 8 |



# Creating Grand Openings

Achieving unprecedented width in a weathersealed external sliding opening, windows and doors using Centor's WS system feature one fixed and two sliding panels, which are parallel to one another. Used singly or in a pair with timber-framed sliding panels up to 150kg, the potential for optimising space, natural air movement and links between interior and exterior are significant.



Paired together with two panels telescoping in either direction, WS systems allow for openings as large as 6.1 metres wide by 2.4 metres high in the external walls of a residence or commercial project. A grander opening is possible across the full range of sliding specifications.

| WS SPECIFICATIONS    |                  |
|----------------------|------------------|
| max panel load       | 150kg            |
| max sill length      | 6100mm           |
| max panel height     | 2400mm           |
| max panel width      | 1500mm           |
| door thickness       | 38mm             |
| max number of panels | 3 doors each way |



# CREATING IMPRESSIONS

## Creating All-Season Views

More than just wider openings, WS' impressive weight-bearing capacity also means large format glazed door panels and a perfectly-framed panorama when doors are closed. WS hardware and tracking is deliberately unobtrusive and concealed where possible, putting the focus on the craftsmanship of the timber joinery and the grandeur of the views beyond.



### CARRIERS AND TRACKING

WS slides on two double-bogey roller carriers rebated into the base of each door panel. Each carrier allows for 8mm of vertical adjustment with a simple screw mechanism accessed via a small hole in the panel. Matching sill and head tracks are produced in aluminium with natural or bronze anodised finishes available. Finishes for all visible components complement the warmth and crafted, natural beauty of timber, whether a traditional or contemporary look is desired.

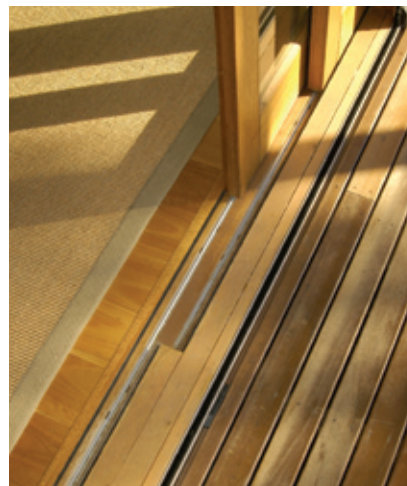
### PANEL CONTROL

Independently operating sliding panels allow for positioning versatility to suit a range of potential uses and climatic conditions. Openings can be varied from the width of one panel to two, three or four panels. Dedicated door collection and interlock assembly fittings keep door panels under control, open or closed. Centor's key-lockable DL dropbolts, best suited to the close-passing clearances of sliding doors, anchor closed doors firmly into place.

### WEATHER RESISTANCE

Fitted with appropriate weatherseals, doors based on the WS system provide a high degree of protection from wind and water in external applications. Centor recommends and supplies Schlegel weatherseals where required. The extruded aluminium sill provides a positive drainage system at the base of closed doors.

It is recommended that the fabricators/ joiners verify weather performance of WS doors as constructed by them, by testing to AS2047 Australian Standards for windows and doors.



UNOBTRUSIVE HARDWARE EMPHASISES THE CRAFTED, NATURAL BEAUTY OF TIMBER DOORS.

# CREATING ASSURANCE

## 'Centor Grade' Design and Manufacture

Centor's reputation for the highest standards of quality and durability is built on an exhaustive laboratory testing regime at all stages of production. Including finite element analysis, corrosion testing, cyclic testing, and testing for extreme weather resistance; every environment a Centor product might face is anticipated. The thoroughness of testing and quality of manufacture is backed by a 10-year Warranty.



### FREE SPECIFICATION AND ORDERING SOFTWARE

Doorcalc, Centor's free specification and ordering software simplifies component selection and assists with calculating the size and number of door panels. Doorcalc can be downloaded from [www.centor.com.au](http://www.centor.com.au). It features intuitive drop-down menus to assist the inexperienced Excel® user and allows for identification of each job and automatic generation of an accurate hardware list, including barcodes, ready to forward to Centor.

# CREATING CONFIDENCE

### COMPONENT SELECTION

#### *Head And Sill Tracks*

WS' aluminium head and sill tracks are available in two lengths – 4.9 metres and 6.1 metres – with natural anodised or bronze anodised finish.

#### *Double Bogey Roller System*

Two double-bogey roller units per panel are required to ensure smooth operation and carry the maximum 150kg per panel.

#### *Door Collection Hardware*

Door collection hardware kits are available in natural anodised and brown powder-coated finishes.

#### *WeatherSeals*

Centor can supply Schlegel (TS48500, PB69650, and QLB7000) WeatherSeals to suit the WS door sealing.

#### *Dropbolts*

Centor's DL dropbolts are required for the narrow door passing clearances in sliding systems.

### PRODUCT TESTING & GUARANTEE

WS systems are laboratory tested to achieve high standards of quality and durability on which we've built our reputation. The exhaustive Centor testing regime includes finite element analysis, corrosion, cyclic, and extreme weather testing. At Centor we test for the extreme environments that our products could face during their lifecycle; this is backed up by a 10 year Warranty.



### SPECIFYING WS

Architects and Designers can feel comfortable simply specifying "Centor WS" and leaving detailed component selection to the builder, joiner or fabricator.

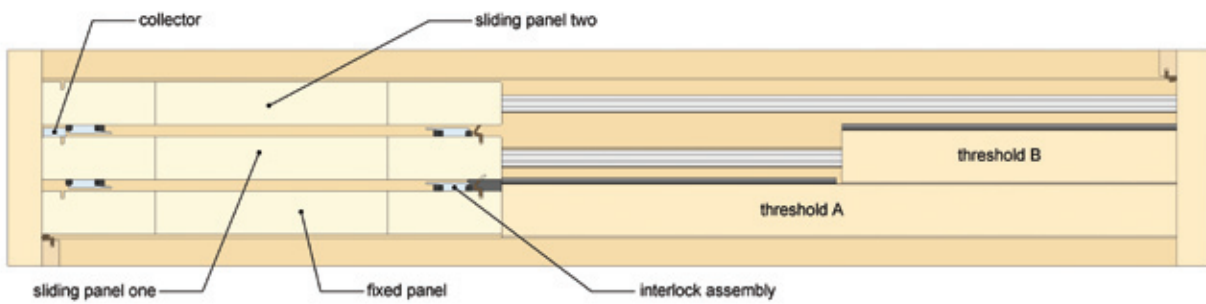
## Architectural Detail

### DOWNLOADABLE CAD FILES

Downloadable DXF or DWG files ready for use in your own documentation are a convenient resource for architects and specifiers wishing to use Centor systems.

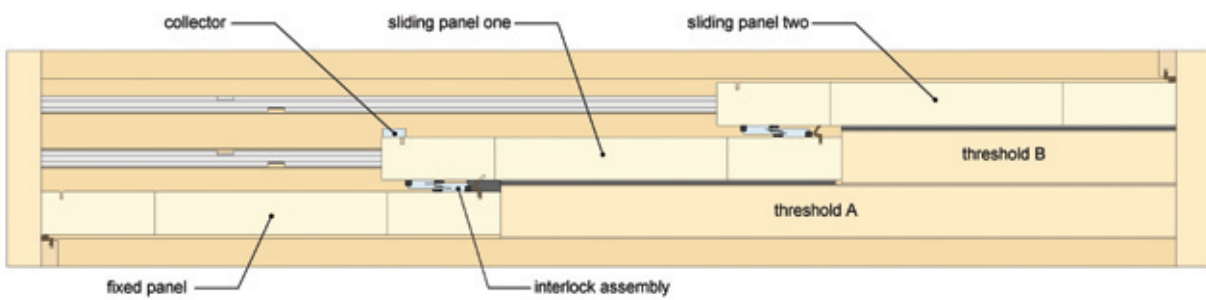
WS DXF or DWG files can be downloaded from [www.centor.com.au](http://www.centor.com.au)

### PANELS IN OPEN POSITION



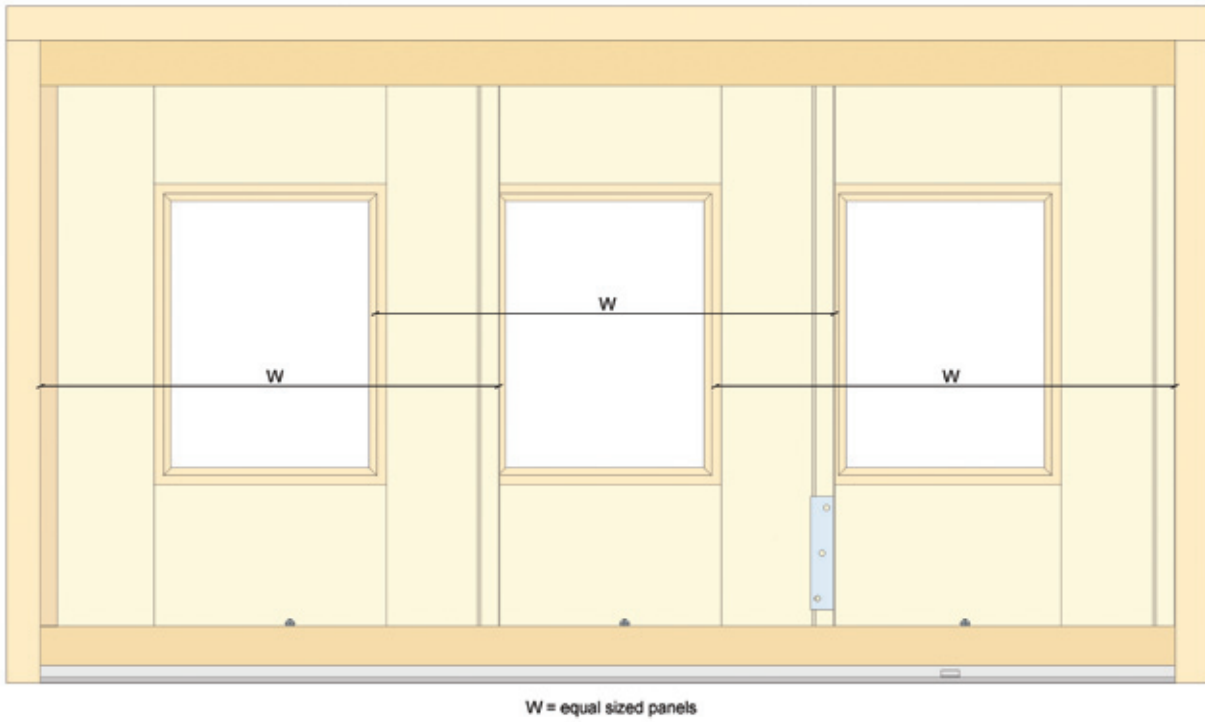
WS-001.DXF

### PANELS IN CLOSED POSITION



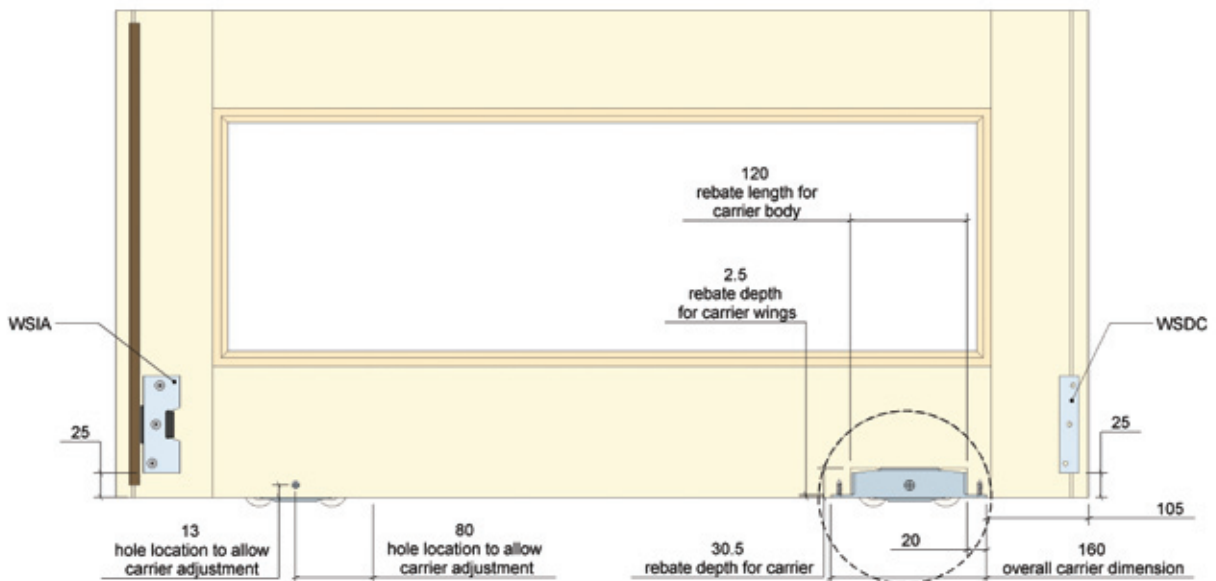
WS-002.DXF

EXTERNAL VIEW OF EQUAL SIZED PANELS



WS-003.DXF

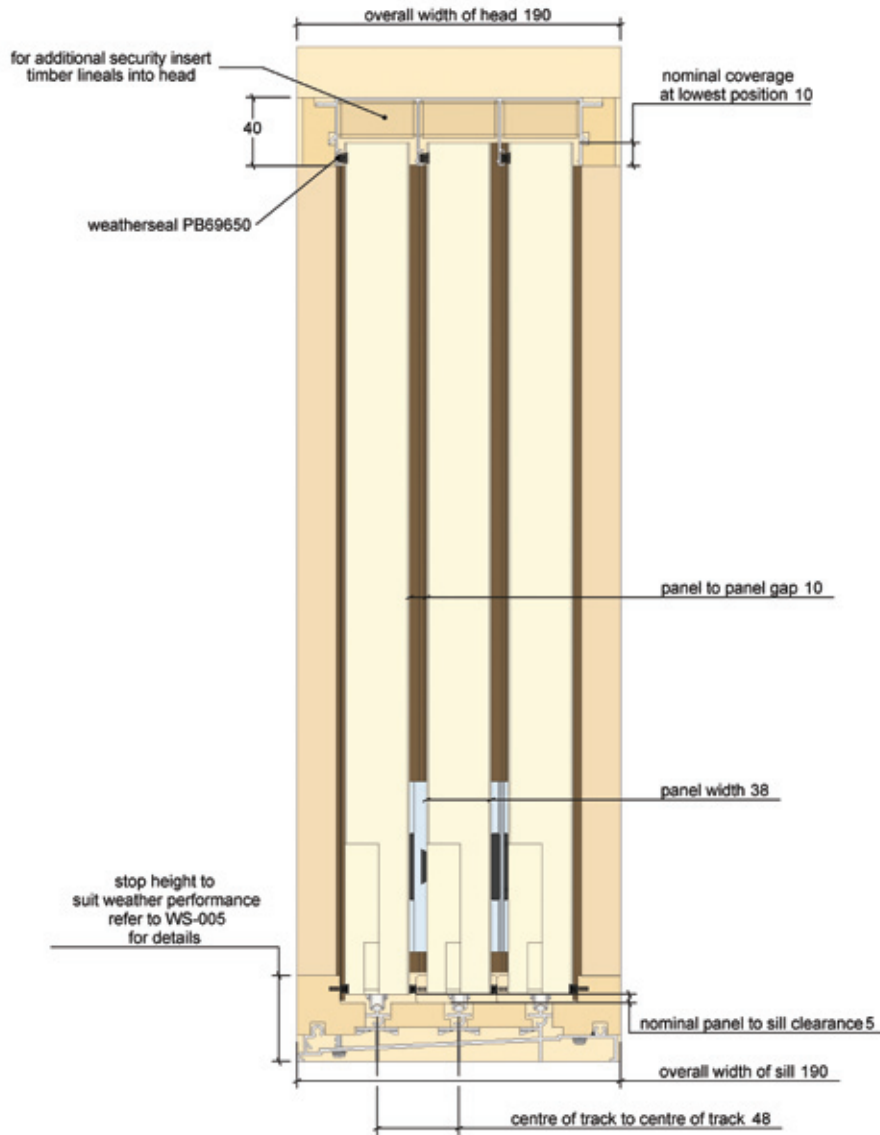
HARDWARE LOCATION



WS-008.DXF

# Architectural Detail

## VERTICAL SECTION

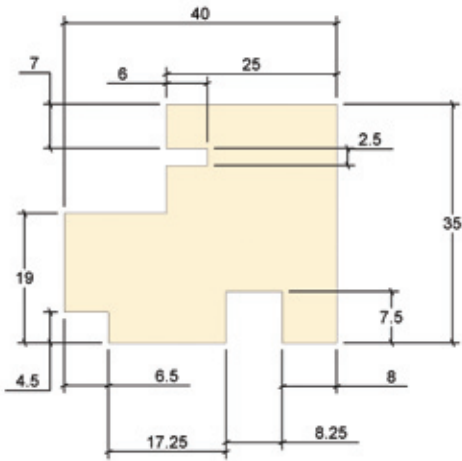


WS-004.DXF



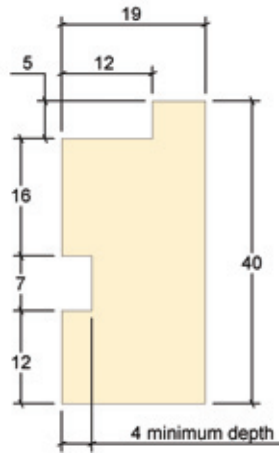
TIMBER PROFILES

OUTER



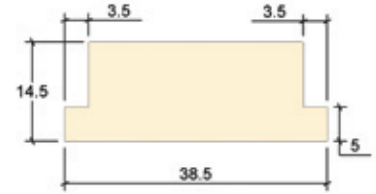
WS-005.DXF

PELMET



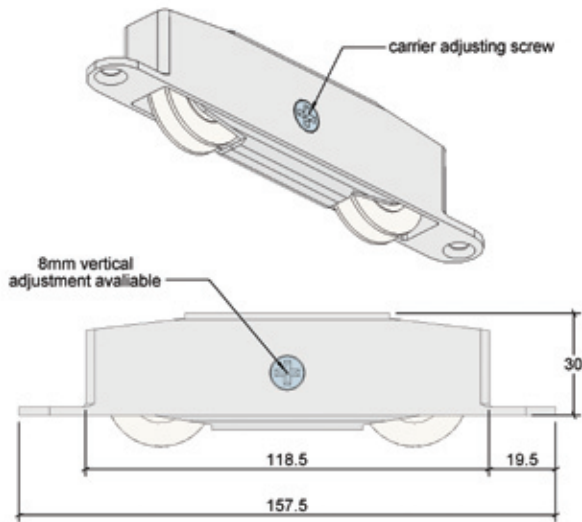
WS-007.DXF

INFILL



WS-006.DXF

TWO WHEEL CARRIER





WS-009.DXF

# Component Selection


## CARRIER

| PART  | PRODUCT CODE | DESCRIPTION     |
|---|--------------|-----------------|
|  | WS2WC        | 2 wheel carrier |


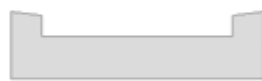
## HARDWARE

| PART  | PRODUCT CODE | DESCRIPTION                          |
|---|--------------|--------------------------------------|
|  | WSCN         | door collector, natural anodised     |
|   | WSCB         | door collector, brown                |
|  | WSIAN        | interlock assembly, natural anodised |
|   | WSIAB        | interlock assembly, brown            |

## HEAD

| PART   | PRODUCT CODE | DESCRIPTION                        |
|--|--------------|------------------------------------|
|  | WSDH61R      | 6100mm door head, bronze           |
|  | WSDH61N      | 6100mm door head, natural anodised |
|  | WSDH49R      | 4900mm door head, bronze           |
|  | WSDH49N      | 4900mm door head, natural anodised |

## SILL

| PART  | PRODUCT CODE | DESCRIPTION                        |
|---|--------------|------------------------------------|
|  | WSDS61R      | 6100mm door sill, bronze           |
|   | WSDS61N      | 6100mm door sill, natural anodised |
|   | WSDS49R      | 4900mm door sill, bronze           |
|   | WSDS49N      | 4900mm door sill, natural anodised |
|  | WSDSG        | door sill gasket                   |

## HEAD AND SILL (ASSEMBLY WITH TIMBER INSERTS)

| PART  | PRODUCT CODE | DESCRIPTION  |
|---|--------------|--|
|  | WSA49NSRC    | WS assembly, 4900mm, satin natural, kwila sill, surian red pelmet  |
|   | WSA49NWRC    | WS assembly, 4900mm, satin natural, kwila sill, western red pelmet |
|   | WSA49RSRC    | WS assembly, 4900mm, bronze, kwila sill, surian red pelmet         |
|   | WSA49RWRC    | WS assembly, 4900mm, bronze, kwila sill, western red pelmet        |
|   | WSA61NSRC    | WS assembly, 6100mm, satin natural, kwila sill, surian red pelmet  |
|   | WSA61NWRC    | WS assembly, 6100mm, satin natural, kwila sill, western red pelmet |
|   | WSA61RSRC    | WS assembly, 6100mm, bronze, kwila sill, surian red pelmet         |
|   | WSA61RWRC    | WS assembly, 6100mm, bronze, kwila sill, western red pelmet        |

## WEATHERSEALS

| PRODUCT CODE | DESCRIPTION                  | PART  |
|--------------|------------------------------|---|
| TS48500      | Schlegel timber weatherseal  |    |
| PB69650      | Schlegel weather weatherseal |    |
| QLB7000      | Schlegel kerf weatherseal    |  |

**Centor Australia Pty Ltd**

ABN 96 009 716 189  
telephone 1300 CENTOR  
1300 236 867  
facsimile 1300 CENFAX  
1300 236 329  
mail@centor.com.au  
www.centor.com.au

**BRISBANE**

**Centor Australia Pty Ltd**  
**Head Office & Factory**  
997 Kingsford Smith Drive  
PO Box 1550  
Eagle Farm QLD 4009  
telephone +61 7 3868 5777  
facsimile +61 7 3868 1201

**SYDNEY**

**Centor Australia Pty Ltd**  
6/33 Heathcote Road  
Moorebank NSW 2170  
telephone +61 2 9765 4200  
facsimile +61 2 9824 3469

**MELBOURNE**

**Centor Australia Pty Ltd**  
28 Keysborough Cl  
Keysborough VIC 3173  
telephone +61 3 9709 0300  
facsimile +61 3 9798 1645

**ADELAIDE**

**Centor Australia Pty Ltd**  
Unit 4, 2 Endeavour Drive  
PO Box 285  
Port Adelaide SA 5015  
telephone +61 8 8304 2577  
facsimile +61 8 8304 2599

**PERTH**

**Notchka Pty Ltd**  
45 Colray Avenue  
Osborne Park WA 6017  
telephone +61 8 9443 3266  
facsimile +61 8 9443 3250  
notchka@norcom.net.au

**TASMANIA**

**Launceston**  
**Access Hardware Pty Ltd**  
42 Invermay Road  
Mowbray Heights TAS 7248  
telephone +61 3 6331 2533  
facsimile +61 3 6331 2733  
accesshw@bigpond.net.au

**Hobart**

**Access Hardware Pty Ltd**  
21 Brisbane Street  
Hobart TAS 7000  
telephone +61 3 6231 9926  
facsimile +61 3 6231 9927



**Centor Europe Ltd**

Unit 10 Monkspath Business Park  
Highlands Road  
Solihull  
B90 4NY  
United Kingdom  
telephone +44 (0)121 701 2500  
facsimile +44 (0)121 701 2515  
mail@centoreurope.eu  
www.centoreurope.eu

**Centor North America Inc.**

1410 Kingsland Drive  
Batavia  
Illinois 60510  
USA  
telephone 630-957-1000  
facsimile 630-957-1001  
mail@centorarchitectural.com  
www.centorarchitectural.com

301.100.030.001