# wrightstyle ltd

High Performance Steel & Glass Systems    Complete & Guaranteed

The Wrightstyle 5050 series range of glazing systems provides an unlimited number of fenestration options.  Utilising a wide range of high quality steel and stainless steel profile shapes, it provides countless possibilities.

Multiple configurations of doors, screens and windows can be produced from Wrightstyle's vast range of profiles; an integral part of Wrightstyle's total glazing system solutions.
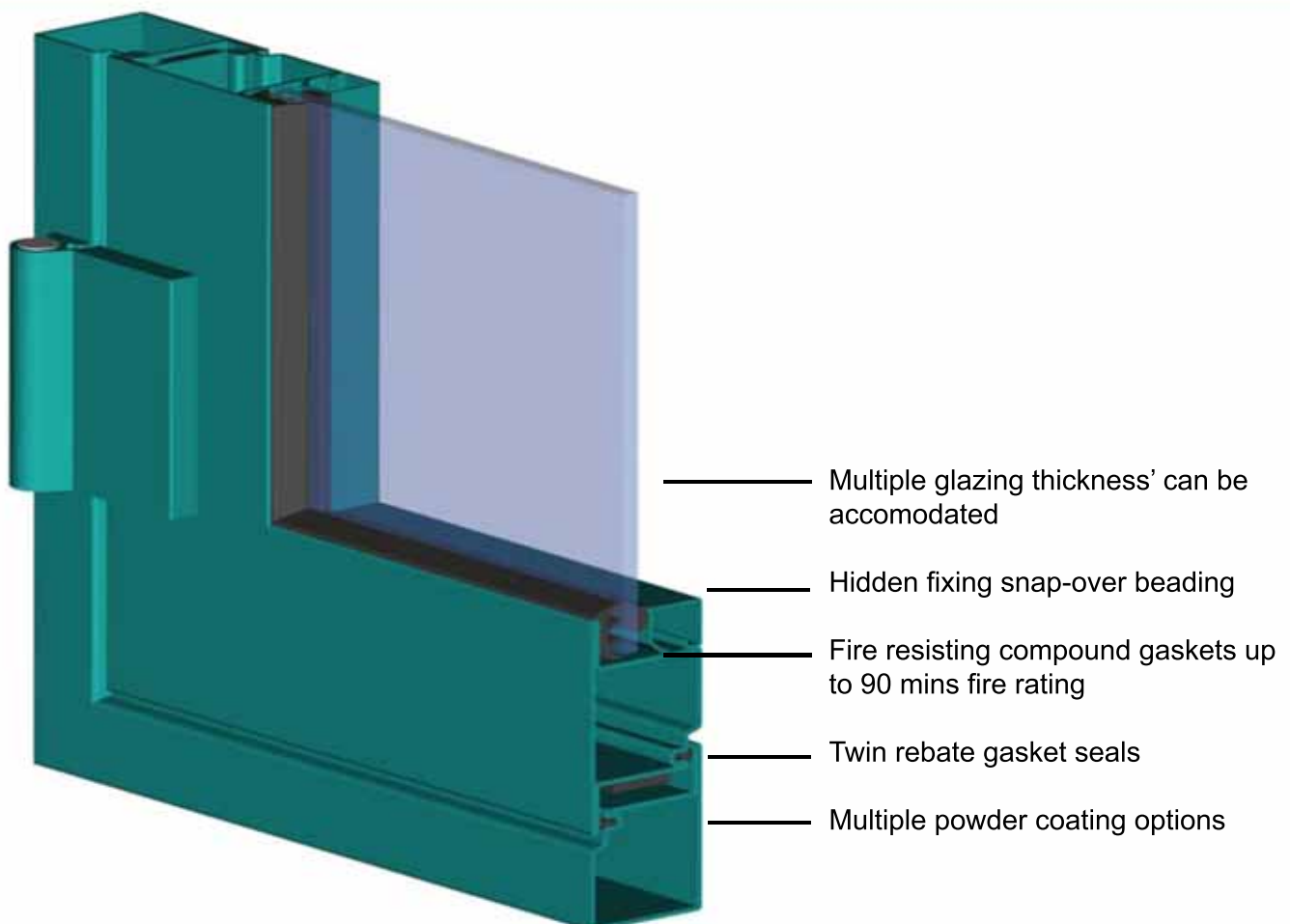
Profiles are produced from cold rolled pre-galvanised strip, manufactured to strict production tolerances from 2mm steel.

Modern manufacturing processes allow us to produce steel glazing systems, which combine the inherent strength and durability of steel, with the aesthetic qualities normally associated with aluminium systems. The following pages provide a brief overview of the capabilities of the systems.

- Competively priced

- Multiple fenestration options

- High quality pre-sendzimir galvanising

- Internal & external surface protection

- 2mm wall thickness

- Tested to 3 hours fire rating

- Multiple hardware options

- Multiple tape or gasket glazing options

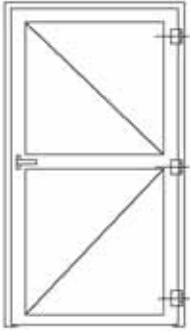- Can be supplied in bar length, semi-prepared kit form, or fully fabricated

Fire rated up to 120 mins as unlatched option with pull handles or latched option with lever handles

## WSL 5050 Series - Door Configuration (colours shown for clarity)



Multiple glazing thickness' can be accomodated

Hidden fixing snap-over beading

Fire resisting compound gaskets up to 90 mins fire rating

Twin rebate gasket seals

Multiple powder coating options

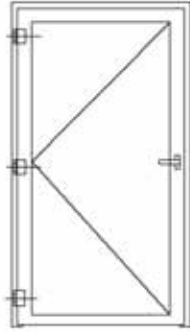## Product Datasheet - WSL 5050 Series - Single Doors
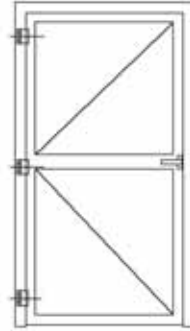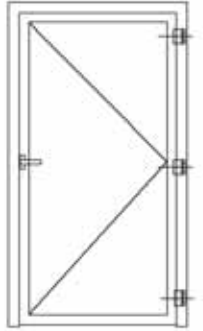
RHR - Open Out          LHR - Open Out          LH - Open In          RH - Open In



## WSL 5050 series door permissible dimensions 30 mins integrity only

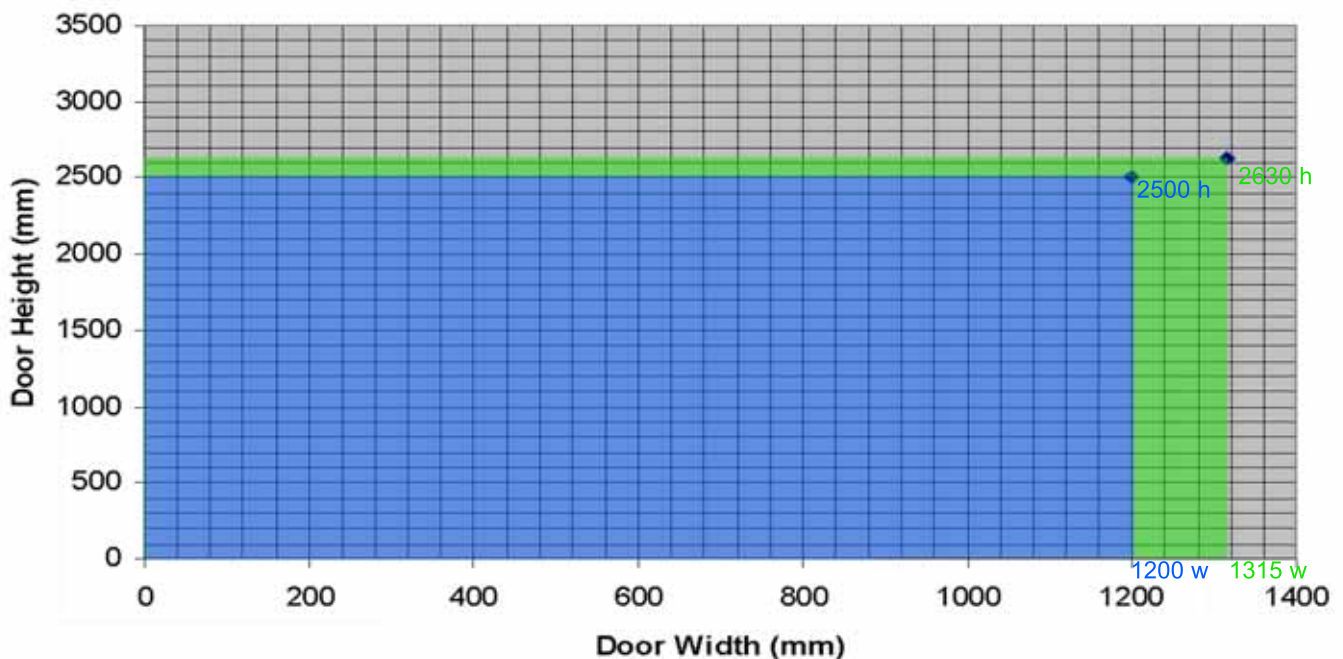| Type: | Maximum Door Height | Maximum Door Width | Fire Rating |
|---|---|---|---|
| WSL 5050 Series door unlatched or single point latch | 2500mm clear passage | 1200mm clear passage | 30 Mins integrity only |
| WSL 5050 Series door two point latch | 2630mm clear passage | 1315mm clear passage | 30 Mins integrity only |

Directions:
Plot your required door size on the chart below. Current test data allows for any clear passage size within the red, blue & green areas.
If the door size falls completely within the blue area then the door may be installed unlatched or single-point latch.
If the door size falls partly within the red area then the door must have a minimum of a single-point latch.
If the door size falls partly within the green area then the door must have a minimum of a two-point latch.
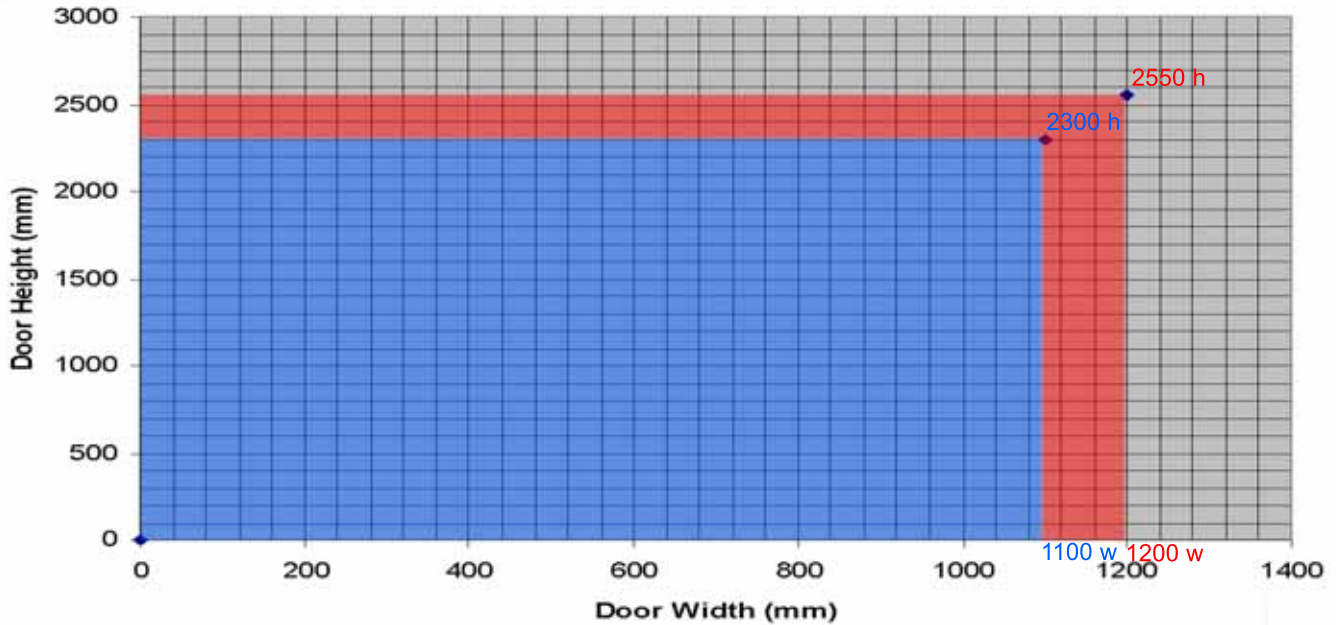


Note: Additional conditions may apply. Please check test data
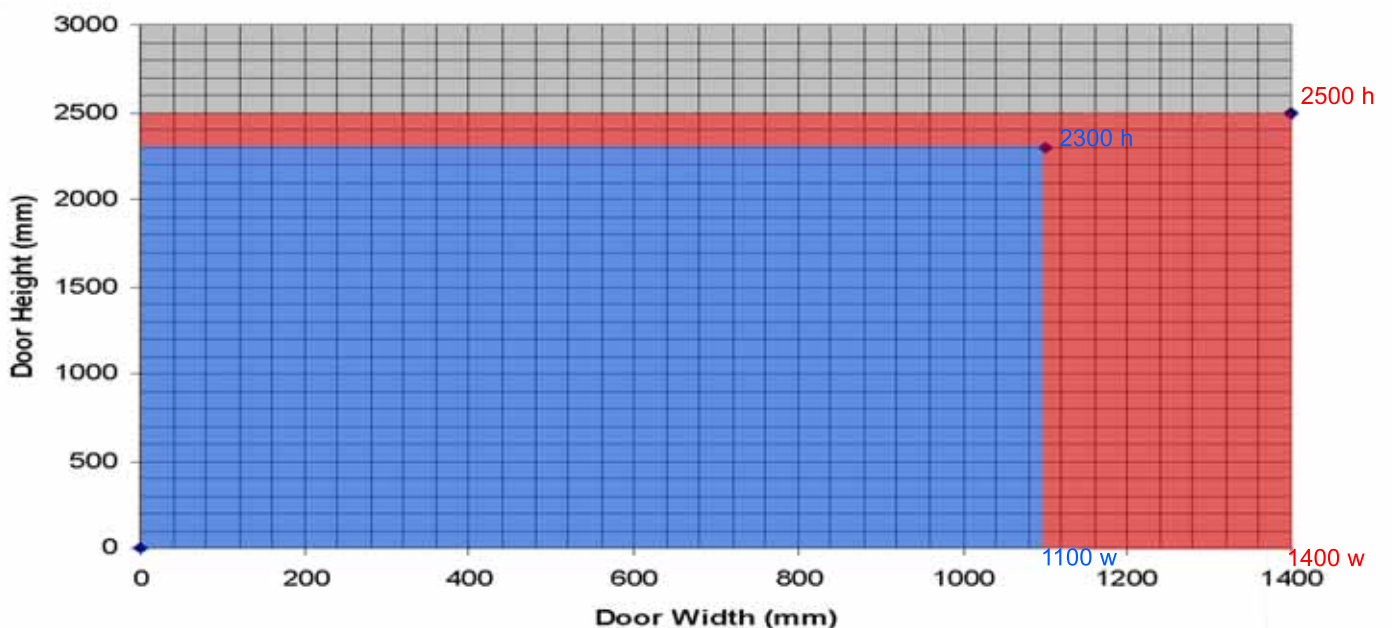
# Product Datasheet - WSL 5050 Series - Single Doors

## WSL 5050 series door permissible dimensions 60 mins integrity only

| Type: | Maximum Door Height | Maximum Door Width | Fire Rating |
|---|---|---|---|
| WSL 5050 Series door unlatched or single point latch | 2300mm clear passage | 1100mm clear passage | 60 Mins integrity only |
| WSL 5050 Series door two point latch | 2550mm clear passage | 1200mm clear passage | 60 Mins integrity only |



## WSL 5050 series door permissible dimensions 90 mins integrity only

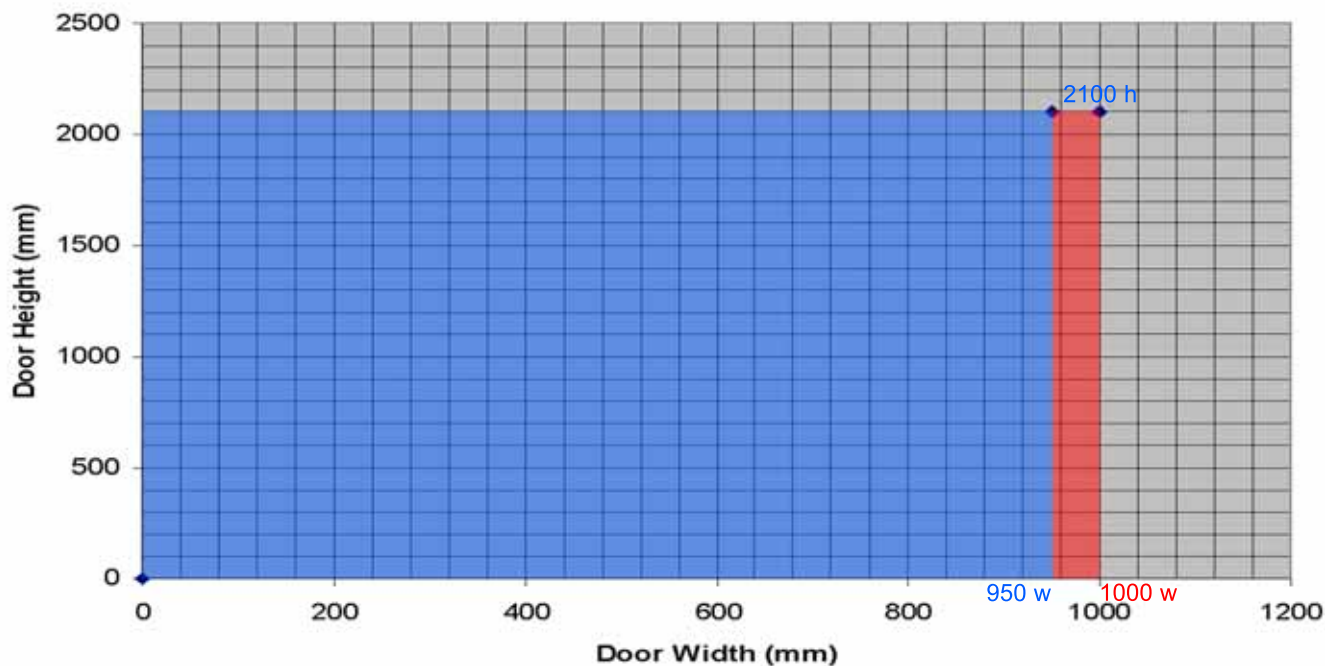| Type: | Maximum Door Height | Maximum Door Width | Fire Rating |
|---|---|---|---|
| WSL 5050 Series door unlatched or single point latch | 2300mm clear passage | 1100mm clear passage | 90 Mins integrity only |
| WSL 5050 Series door two point latch | 2500mm clear passage | 1400mm clear passage | 90 Mins integrity only |



Note: Additional conditions may apply. Please check test data
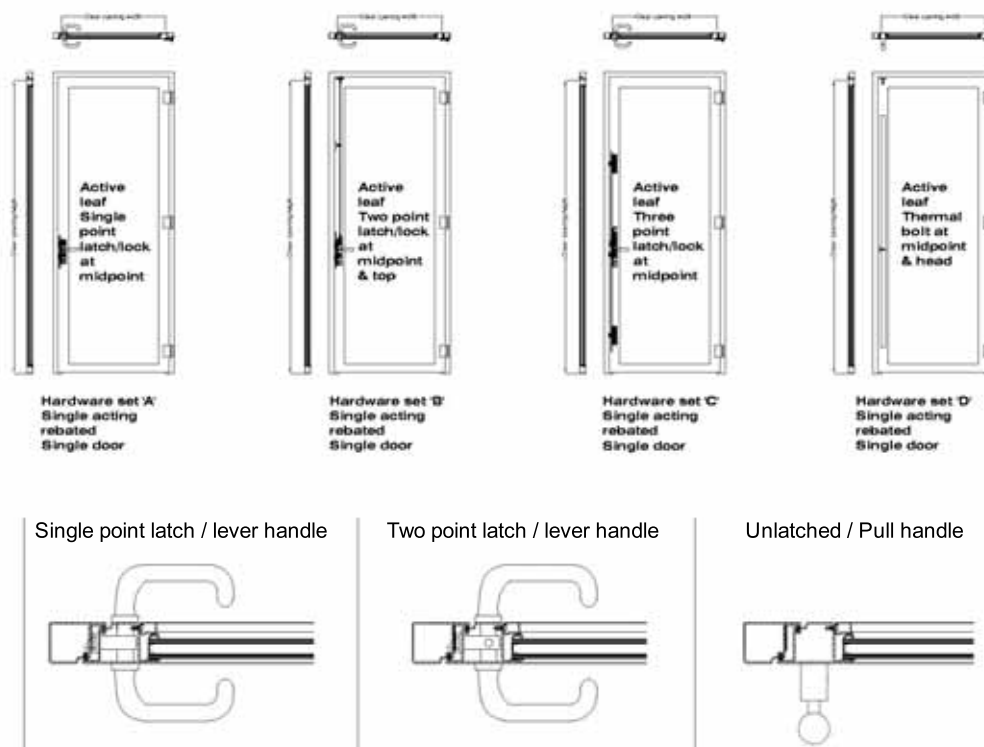
## Product Datasheet - WSL 5050 Series - Single Doors

### WSL 5050 series door permissible dimensions 120 & 180 mins integrity only

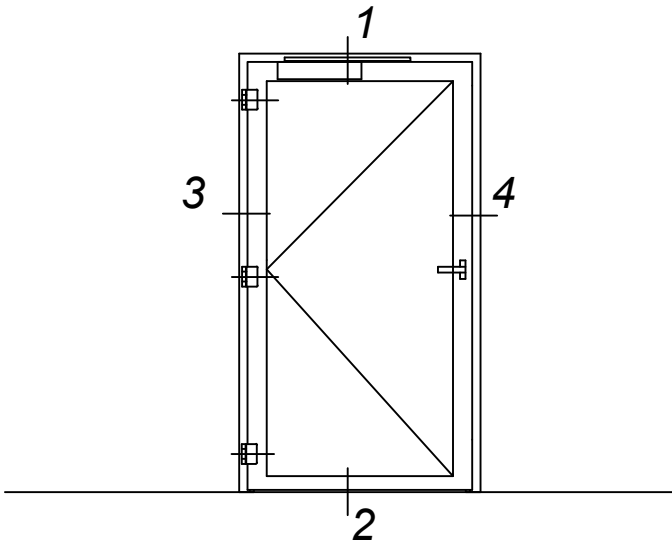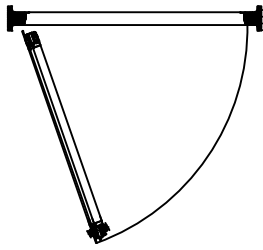| Type: | Maximum Door Height | Maximum Door Width | Fire Rating |
|---|---|---|---|
| WSL 5050 Series door unlatched or three point latch | 2100mm clear passage | 1000mm clear passage | 120 Mins integrity only |
| WSL 5050 Series door three point latch | 2100mm clear passage | 950mm clear passage | 180 Mins integrity only |



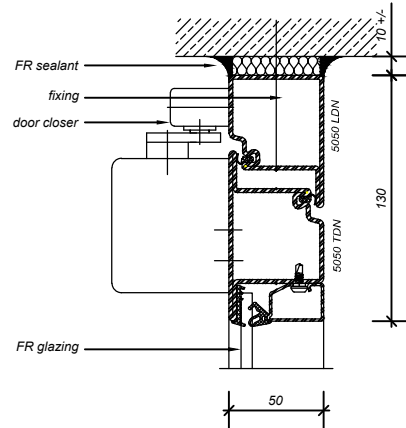Note: Additional conditions may apply. Please check test data
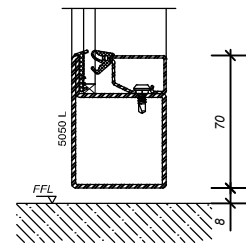
### Locking / Hardware configurations



Active leaf Single point latch/lock at midpoint
Hardware set 'A'
Single acting rebated
Single door

Active leaf Two point latch/lock at midpoint & top
Hardware set 'B'
Single acting rebated
Single door

Active leaf Three point latch/lock at midpoint
Hardware set 'C'
Single acting rebated
Single door

Active leaf Thermal bolt at midpoint & head
Hardware set 'D'
Single acting rebated
Single door

Single point latch / lever handle     Two point latch / lever handle     Unlatched / Pull handle



Note: Additional handle designs may be available - Please check with Wrightstyle.

**1**

FR sealant

fixing

door closer

5050 LDN

130

5050 TDN

FR glazing

50

70 +/-

**2**

5050 L

70

FFL

8

**3 sim.**

10 +/-

130

5050 LDN

50

5050 TDN

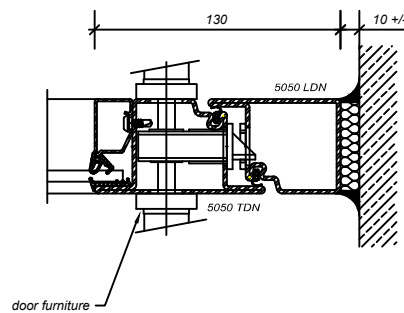hinge

**4**

130

10 +/-

5050 LDN

5050 TDN

door furniture

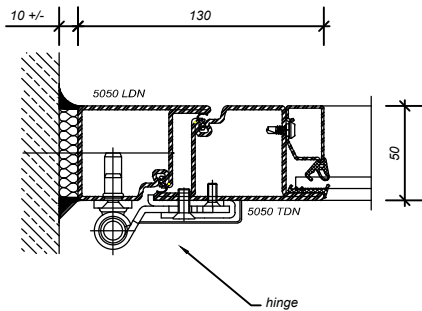**WRIGHTSTYLE 5050 SERIES**
**SINGLE DOORS**
Elevation NTS/details 1:4 @ A4

Approved options:
- With or without mullions and transoms
- Glass/panel infill's
- Choice of RH/LH with opening to outside or inside
- Fixed sidelights and top lights
- Unlatched