GENERAL INFORMATION

LINIAR COMPONENTS

whiteline
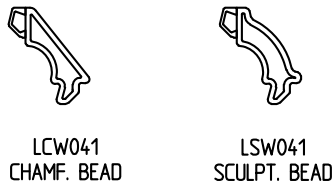
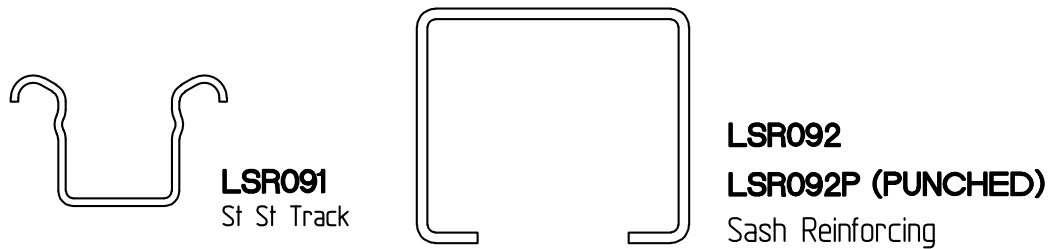## FRAMES

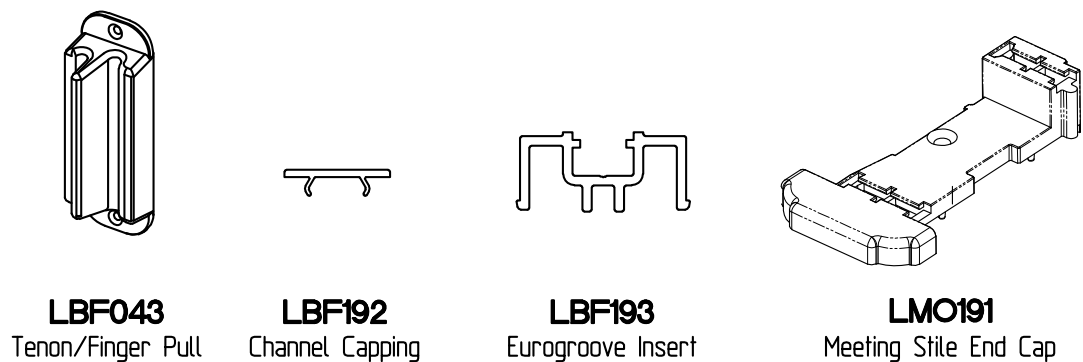**LBF091**
Outer Frame

LBF092
Sash

LBF191
Meeting Stile

SCALE: 1:2

BEADS

LCW041
CHAMF. BEAD

LSW041
SCULPT. BEAD

SCALE: 1:1

STEELS

LSR091
St St Track

LSR092
LSR092P (PUNCHED)
Sash Reinforcing

SCALE: 1:1

ANCILLARIES

LBF043
Tenon/Finger Pull

LBF192
Channel Capping

LBF193
Eurogroove Insert

LMO191
Meeting Stile End Cap

SCALE: 1:2

GASKETS

① **LBF194**
Interlock Seal

② **LBF196**
Brush Pile

③ **LBF197**
Q-Lon

SCALE: 1:1
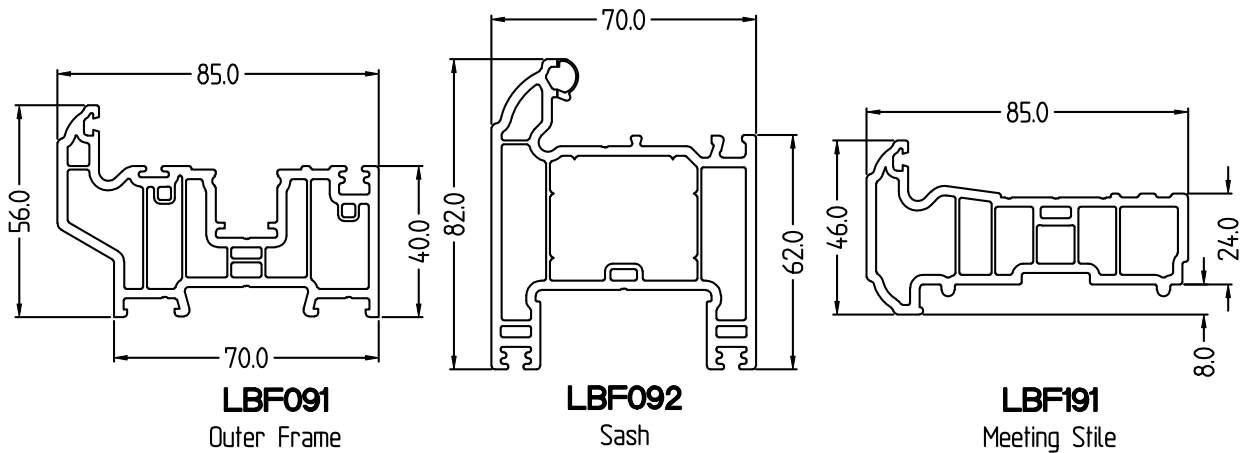
LINIAR COMPONENTS

whiteline

HARDWARE
HINGES

LBF072
'C' handle

LBF071
Butt Hinge
Optional: Coupled with 'C' Handle

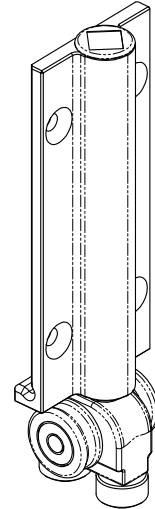**LBF050**
Double Roller Top/Btm
Note: Top Roller Sprung Loaded
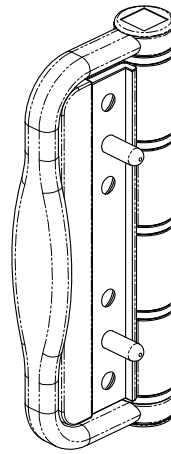
LBF060
Single Roller Top/Btm
Note: Top Roller Sprung Loaded

HARDWARE
HANDLES

LBF041
Door Magnets
Note: North & South Poles

LBF081
Slim Door Handle

LBF080
Door Handle
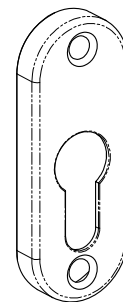
LBF042
Escutcheon/Lock Plt.

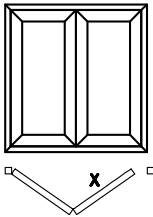scale 1:2, all 'Hardware' available in White, Gold & Chrome finishes

SCHEMES AND DEDUCTIONS

All schemes can be made in opposite hand.
Equal sash sizes unless otherwise stated.
Some schemes require larger sash sizes noted at areas 'x'
using specified cutting deductions SW(x) & G(x).

W – Frame Width
SW –   Sash Width
G –   Glass Size

Scheme 220

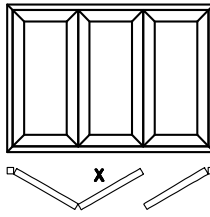2 Folding sashes, 0 Main opening sash

SW	= ((W-104)/2)-31
G	= ((W-372)/2)-31
SW(x)	= ((W-104)/2)+31
G(x)	= ((W-372)/2)+31

Scheme 321

2 Folding sashes, 1 Main opening sash

SW	= ((W-136)/3)-20.66
G	= ((W-538)/3)-20.66
SW(x)	= ((W-136)/3)+41.34
G(x)	= ((W-538)/3)+41.34

Scheme 330

3 Folding sashes, 0 Main opening sash
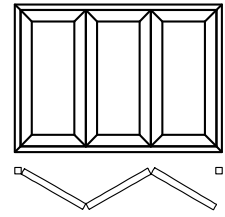
SW	= (W-112/3)
G	= (W-514/3)

Scheme 431

3 Folding sashes, 1 Main opening sash
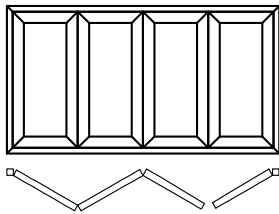
SW	= (W-144/4)
G	= (W-680/4)

Scheme 440

4 Folding sashes, 0 Main opening sash
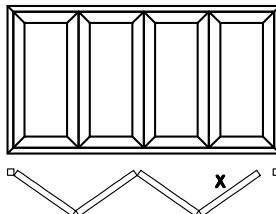
SW	= ((W-120)/4)-15.5
G	= ((W-656)/4)-15.5
SW(x)	= ((W-120)/4)+46.5
G(x)	= ((W-656)/4)+46.5

Scheme 422

2+2 Folding sashes, 0 Main opening sash
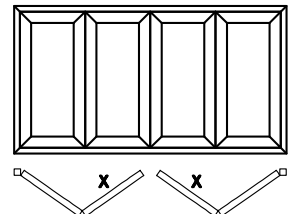
SW	= ((W-120)/4)-31
G	= ((W-656)/4)-31
SW(x)	= ((W-120)/4)+31
G(x)	= ((W-656)/4)+31

Scheme 541

4 Folding sashes, 1 Main opening sash
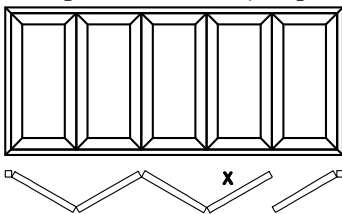
SW	= ((W-152)/5)-12.4
G	= ((W-822)/5)-12.4
SW(x)	= ((W-152)/5)+49.6
G(x)	= ((W-822)/5)+49.6

Scheme 550

5 Folding sashes, 0 Main opening sash
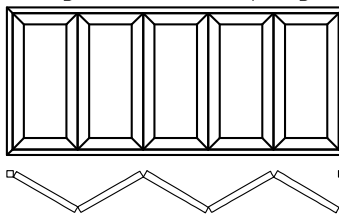
SW	= (W-128/5)
G	= (W-798/5)

Scheme 532

3+2 Folding sashes, 0 Main opening sash
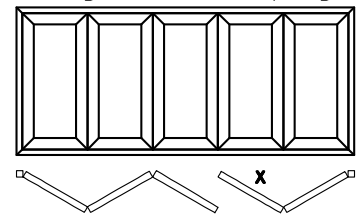
SW	= ((W-152)/5)-12.4
G	= ((W-822)/5)-12.4
SW(x)	= ((W-152)/5)+49.6
G(x)	= ((W-822)/5)+49.6

Scheme 651

5 Folding sashes, 1 Main opening sash

SW = (W-160/6)
G = (W-964/6)

Scheme 660
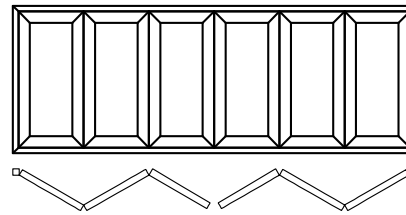
6 Folding sashes, 0 Main opening sash
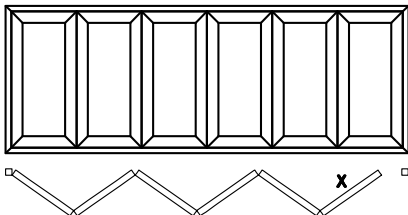
SW = ((W-136)/6)-10.33
G = ((W-940)/6)-10.33

SW(x) = ((W-136)/6)+51.67
G(x) = ((W-940)/6)+51.67
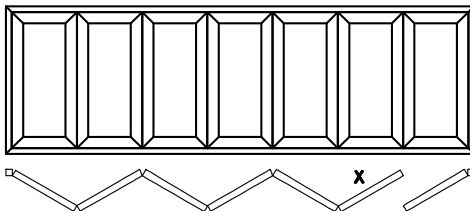
Scheme 633

3+3 Folding sashes, 0 Main opening sash

SW = (W-160/6)
G = (W-964/6)

Scheme 761

6 Folding sashes, 1 Main opening sash

SW = ((W-168)/7)-8.86
G = ((W-1106)/7)-8.86

SW(x) = ((W-168)/7)+53.14
G(x) = ((W-1106)/7)+53.14

Scheme 770

7 Folding sashes, 0 Main opening sash

SW = (W-144/7)
G = (W-1082/7)

Scheme 743
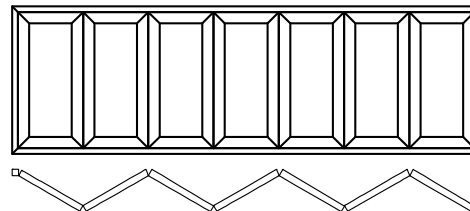
4+3 Folding sashes, 0 Main opening sash

SW = ((W-168)/7)-8.86
G = ((W-1106)/7)-8.86

SW(x) = ((W-168)/7)+53.14
G(x) = ((W-1106)/7)+53.14
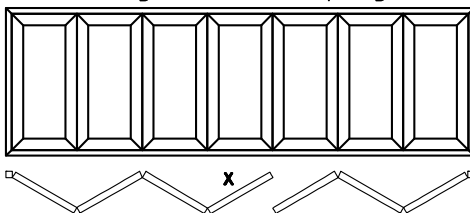
Scheme 752

5+2 Folding sashes, 0 Main opening sash
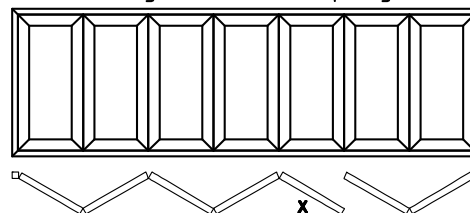
SW = ((W-168)/7)-8.86
G = ((W-1106)/7)-8.86

SW(x) = ((W-168)/7)+53.14
G(x) = ((W-1106)/7)+53.14

TYPICAL ASSEMBLIES (int. folding)
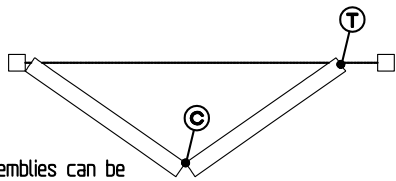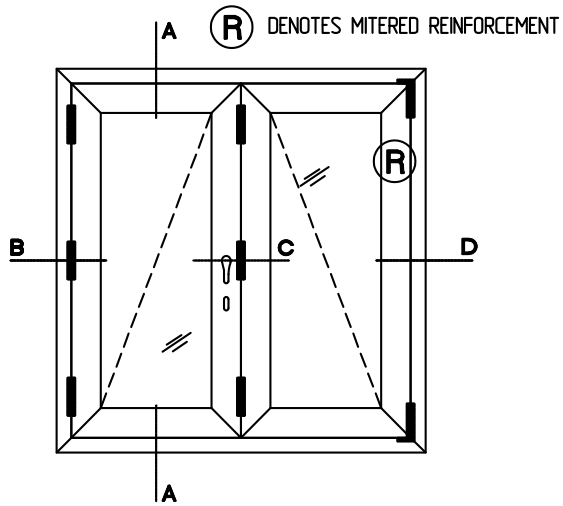
Ⓡ DENOTES MITERED REINFORCEMENT
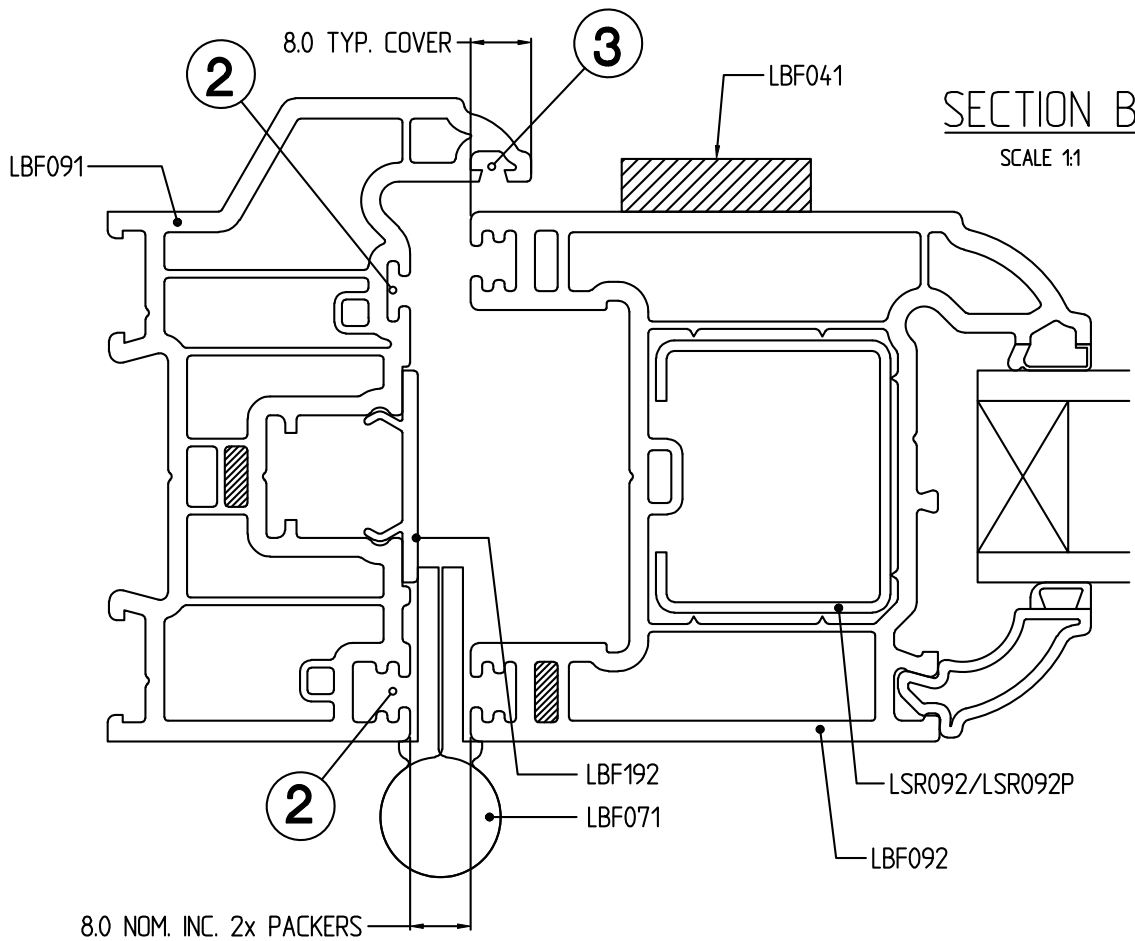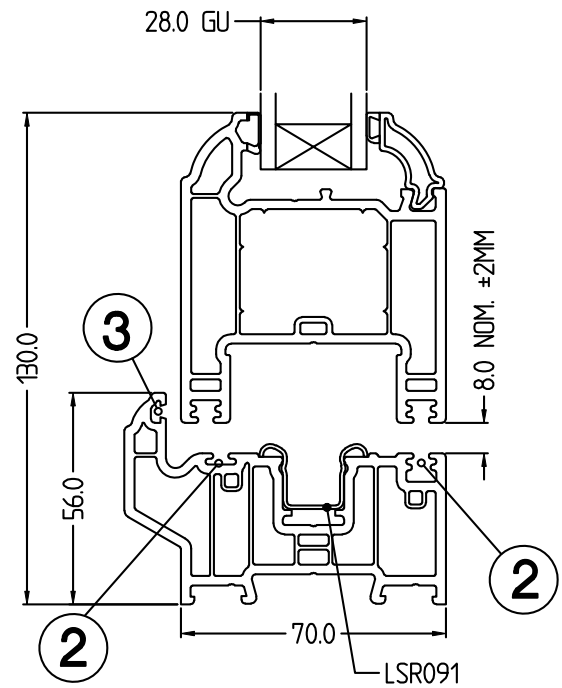
A

B — C — D

A

Ⓡ

Ⓣ

Ⓒ

Door assemblies can be
Ext. or Int. folding

SECTION A
SCALE 1:2

28.0 GU

130.0

56.0

8.0 NOM. ±2MM

③

②

②

②

70.0

LSR091

SECTION B
SCALE 1:1

8.0 TYP. COVER

②

③

LBF041

LBF091

LBF192

LBF071

LSR092/LSR092P

LBF092

②

8.0 NOM. INC. 2x PACKERS

TYPICAL ASSEMBLIES (int. folding)

SECTION A
SCALE 1:2

28.0 GU

130.0

56.0

8.0 NOM. ±2MM

70.0

LSR091

Door assemblies can be
Ext. or Int. folding

8.0 TYP. COVER

LBF041

SECTION B
SCALE 1:1

LBF091

LBF192

LBF071

LSR092/LSR092P

LBF092

8.0 NOM. INC. 2x PACKERS
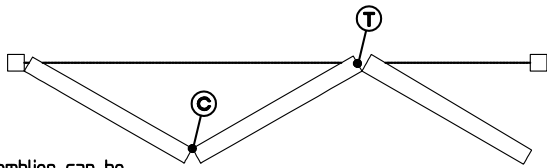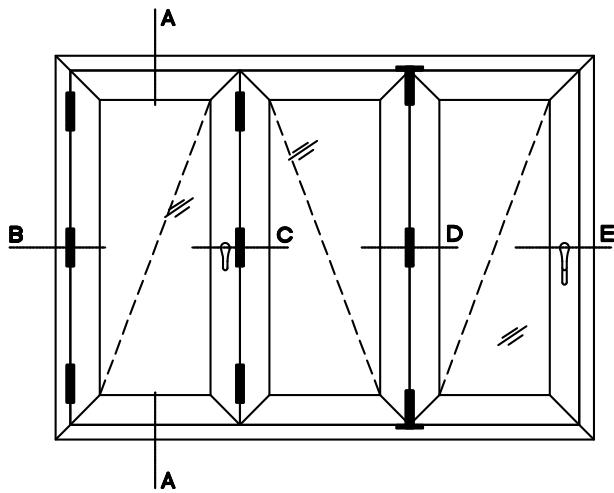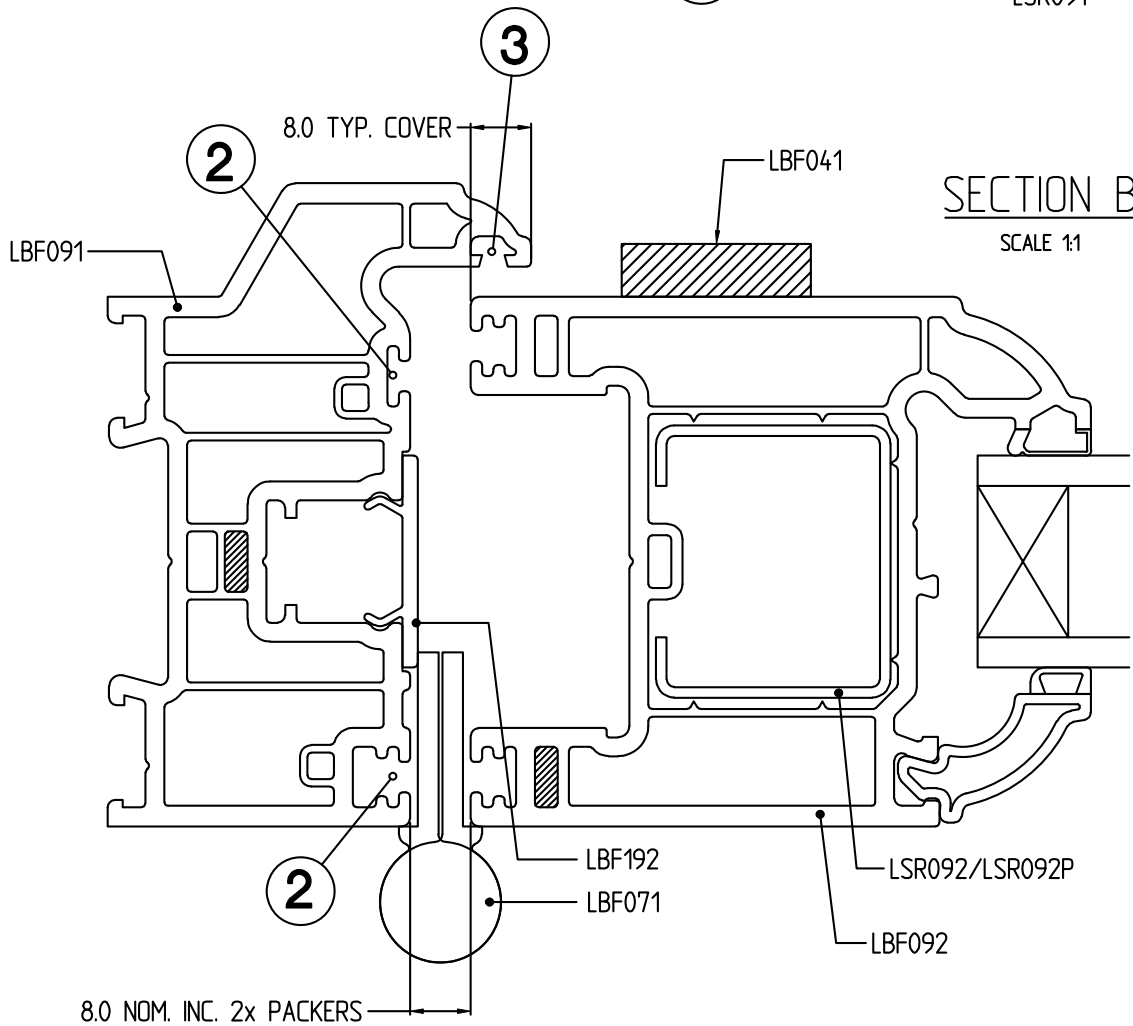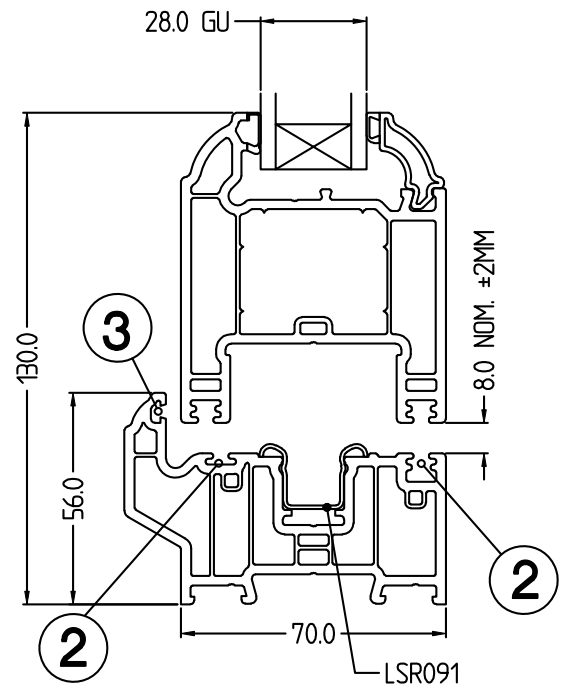
GLAZING

All glazing must fall in line with the requirements of BS6262 and any recommendations of the glass manufacturers.

The correct use of glazing packers is critical to allow the bi-fold doors to function correctly. The diagram below shows both a left and right opening door and the position of the glazing packers. The dashed lines, as shown in Section 3, indicate the position of the load bearing packers for all of the typical assemblies.

It is essential that the glass stays in position and we therefore recommend that where necessary the packers are siliconed into position. Ensure that all packers do not obstruct any drainage holes.

Load bearing packers to keep door square and level.

Packing to prevent glass movement and provide rigidity to the door
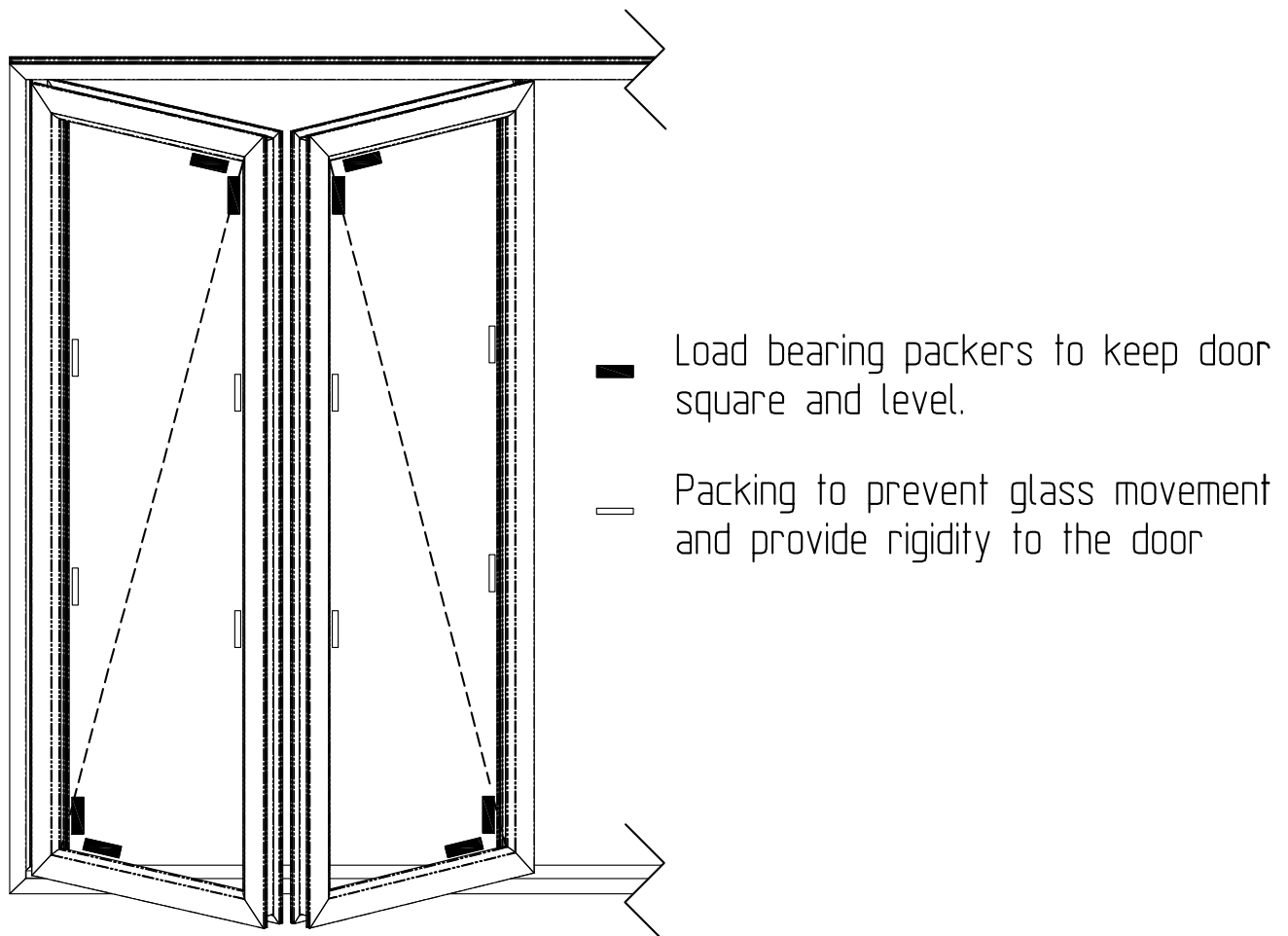
HINGE ADJUSTMENT

BUTT HINGE ADJUSTMENT

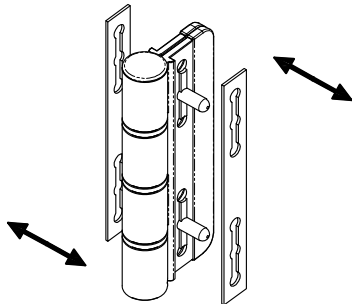Add/Remove hinge packers to adjust
each hinge independently.
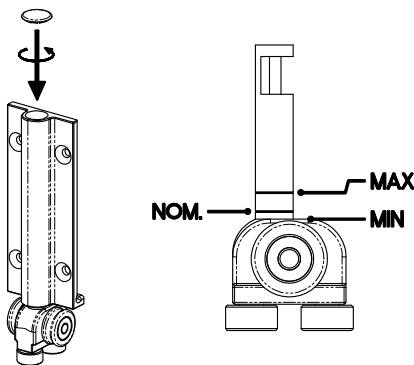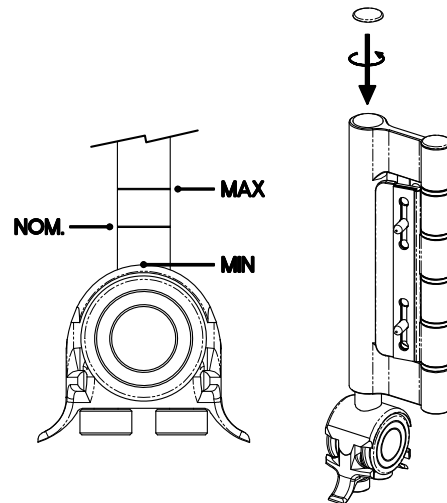
2 Packers = Nominal 8mm Gap
Total hinge adjustment: ±2mm

LBF050, DOUBLE ROLLER

Adjust both top & bottom rollers to minimum point
for sash assembly in frame.

Once assembled in frame adjust back to nominal
to suit nominal 8mm door gap.

Adjust top roller to suit desired compression.
Adjustment: ±10mm, 6mm Allen Key Required.

MAX
NOM.
MIN

LBF060, SINGLE ROLLER

Remove top single roller for door assembly. Fix in
position once door is assembled.

Adjust bottom roller to suit 8mm nominal door gap.

Adjust top roller to suit desired compression.
Adjustment: +5mm, −2mm, 5mm Allen Key Required.

MAX
NOM.
MIN

SURVEY AND INSTALLATION

Due to copyright laws, Liniar are unable to reproduce extracts from the following publication:

BS 8213-4:2007
Windows, doors and rooflights. Code of practice for the survey and installation of windows and external doorsets.
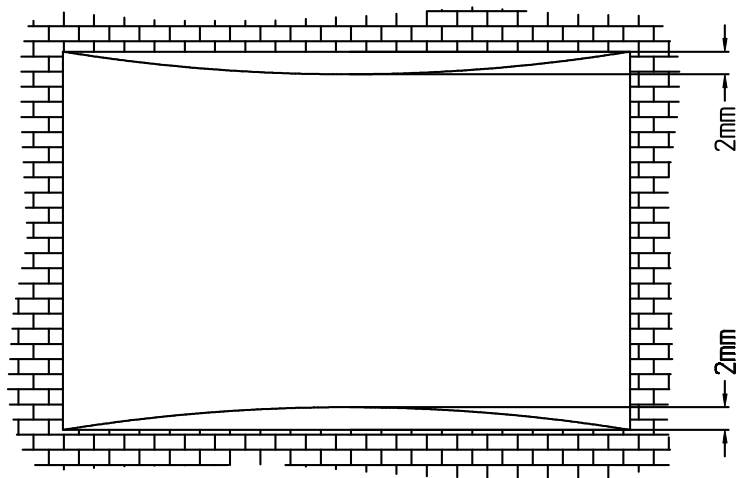
However, a copy can be ordered from the following website:

www.bsi-global.com

Please ensure all doors are issued on manufacture, with the most current Bi-Fold installation and operation guide.

Ensure outer frame is packed out to be parallel, level & true.

Maximum deviation ±2mm

MAINTENANCE

FRAMES & TRACK (FREQUENCY AS REQ.)

To ensure frames & track are free of dirt, clean regularly with soap and water. Drainage holes are to be checked, and any blockages removed.

WOOD GRAIN FRAMES

Cleaning as above.
Minor scratches can be repaired using a wood grain marker pen.

HINGES, HANDLES & LOCKING MECHANISMS (FREQUENCY – ANNUALLY)

Wipe clean with cotton cloth & lubricate pivot points with light machine oil.
Check for obstructions & signs of wear.
Check all fixing screws are secure.