TRACKLOK®
RETRO   TIMBA   VERT
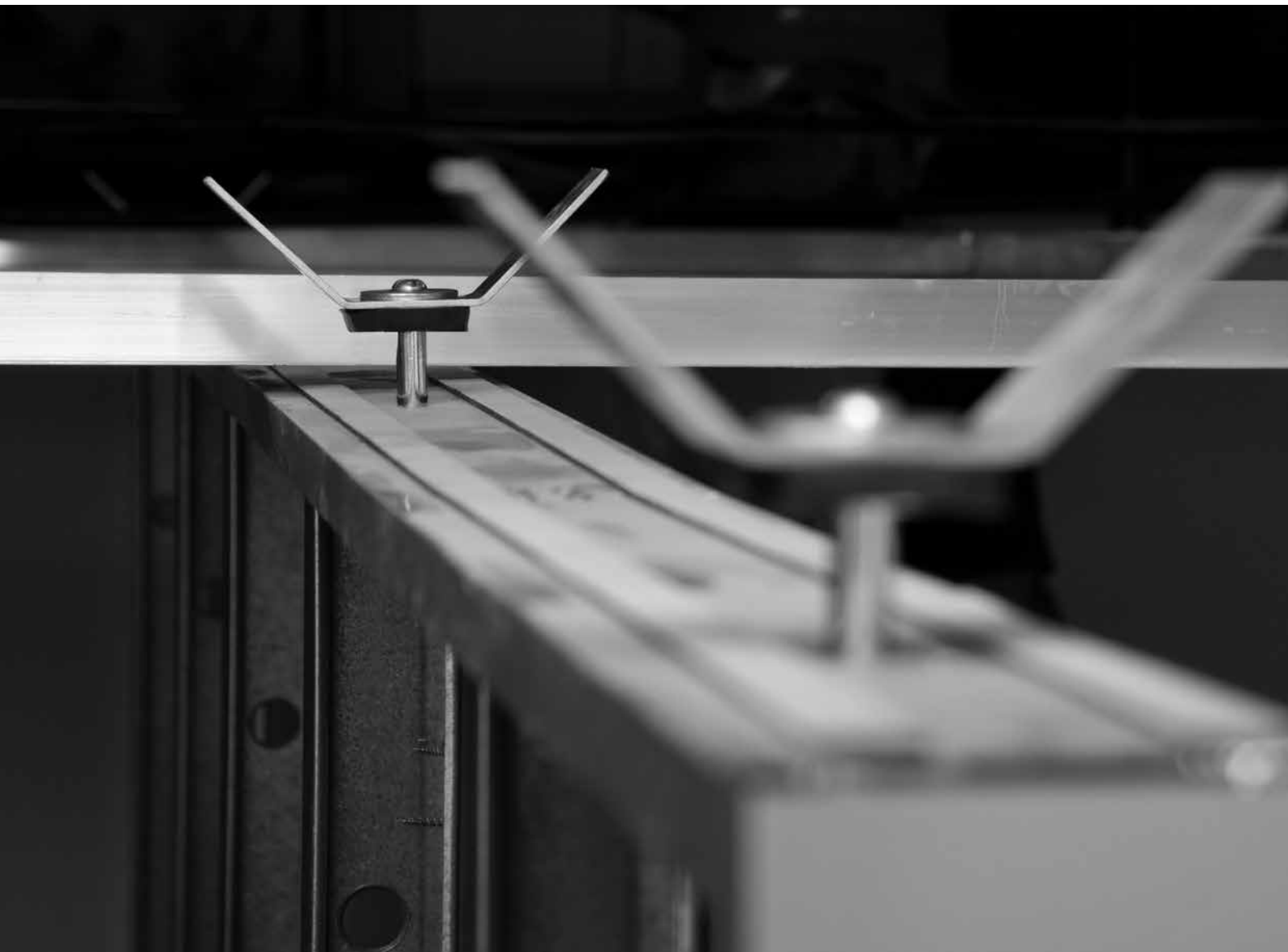
OBJECTIVES/

• Prevent injury caused by the failure of all types of internal partition wall and glazing line systems due to seismic activity or fire.

• Prevent loss of amenity caused by the behavior of all types of internal partition wall and glazing line systems during seismic activity or fire.

• Protect property and structures from physical damage caused by the failure of all types of internal partition wall and glazing line systems due to seismic activity or fire.

• Preserve ceiling manufacturers warranty by providing required seismic separation of partition and glazing lines from two-way grid.

• Prevent business interruption caused by the failure of all types of internal partition wall and glazing line systems due to seismic activity or fire.

• Create efficiencies in construction of all types of internal partition wall and glazing lines.

FEATURES AND BENEFITS/

• Tested with head track and full wall construction to provide confidence.

• Provides seismic separation, preserving ceiling warranty.

• Ensures validity of installers PS3.

• Tested under ULS and SLS loads to ensure longevity of performance.

• Unique design allows for 50mm of inter story drift.

• Top plate pivot points allow for 90mm of in-line wall deflection.

• Unique design allows for 20mm of wall "spring back" in ULS event.

• Patented low profile connection bolt allows for glazing clearance.

• Unit allows a 30° – 60° bracing angle to mitigate service clashes.

• Unit tested to 45° off wall axis to mitigate service clashes.

• TRACKLOK® VERT allows vertical bracing to mitigate service clashes.

• TRACKLOK® RETRO allows for retro active installation using 10 gauge wafer tech screws to affix to head track.

• TRACKLOK® TIMBA allows for bracing of timber framed walls using 10 gauge 35mm wood screws to affix to timber top plate.

• Allows for 64mm and 92mm bracing to be used, reducing waste on site.

COMPLIANCE/

• Complies to and provides compliance with AS/NZS 1170 and AS/NZS 4219.

• Provides compliance with NZ Building Code Clause B1 – Structure, B2 – Durability, F2 – Hazardous Building Materials.

• Contributes to compliance with NZ Building Code Clause F6 – Visibility in Escape Routes, Clause D1 – Access Routes.

APPLICATIONS/

• Importance Level 2, 3 and 4 Buildings

• Hospitals

• Commercial Interiors

• Schools

INSTALLATION/

Must be installed in accordance with manufacturers specification and within the parameters of AS/NZS1170. Install sheets are available online and in every box of TRACKLOK® | TRACKLOK® RETRO | TRACKLOK® TIMBA | TRACKLOK® VERT. Partition walls must be installed as per manufacturers recommendation. Create a minimum clearance of 10mm from unit to ceiling tile and/or grid. Installation at centres and configurations as referenced in set out sheets. Set out sheets cover standard partitioning requirements; construction outside of available set out sheet information will require consultation and approval. Approved seismic fixings to be used for attachment to structure over. Architect and/or Structural engineer and relevant regulatory bodies must approve variations of installation. Bracing material must be fixed with 10-gauge drill point wafer head tech screws. Steel bracing material must be 64mm .50 - .55 BMT or 92mm .50 - .55 BMT. Although all aluminum head track with a material thickness of 1.3mm – 1.8mm is acceptable for use, we do not take responsibility or liability for performance of, or installation

of partition or glazing head track. Use of .55BMT steel track, as head section is not permitted under this specification. Installation is required 100mm – 300mm from the end of blade walls. T section walls are deemed self-supporting requiring unit to be placed at distance specified by the set out sheets. The unit must not be deformed or altered in any way. Ceiling void heights over 2.0 meters require stud bracing to be boxed. Continuous head track over door requires unit to be installed on latch side, broken head track over door requires units to be installed on latch side and hinge side. Tenancy changes requiring walls to be moved require new units to be installed.

LIMITATIONS/

For interior application only. Designed to secure standard steel, aluminum and timber partition walls and glazed walls. Not applicable for supporting walls constructed from concrete, tilt slab or block. Structural engineer and regulatory body must seismically approve configurations outside of specifications. The unit and or bracing material must not be used as an anchor point

or fixing point by associated trades. Use of this product does not increase the seismic load capacity of installed ceiling grid.

NOTICE/

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from the date it was or reasonably should have been discovered.
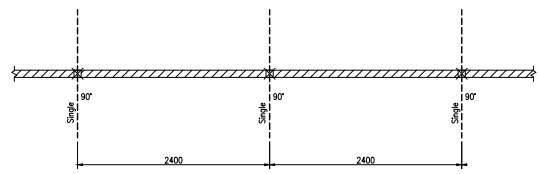
The information presented is correct to the best of our knowledge at the date of issuance. Because codes continue to evolve, check with a local official prior to designing and installing. Other restrictions and exemptions may apply.
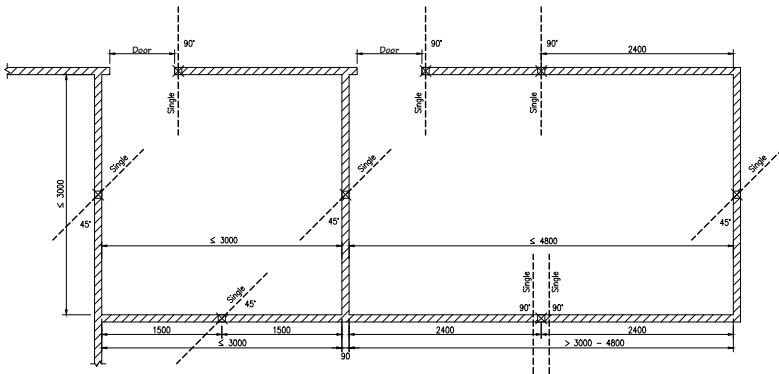
STRAIGHT WALLS WITH NO RETURN WALLS

BRACING AROUND SMALL ROOMS
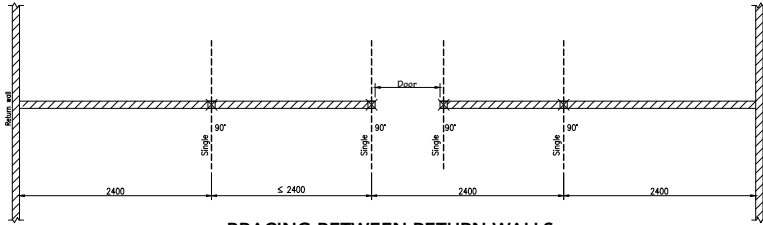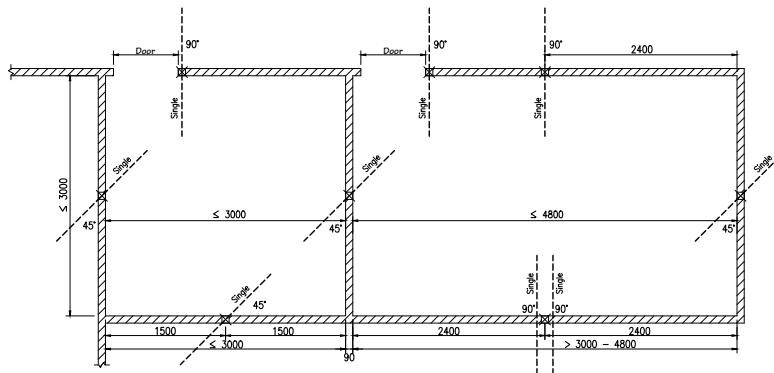
BRACING BETWEEN RETURN WALLS

AUCKLAND/ all levels

WELLINGTON/ up to 3.0m above ground
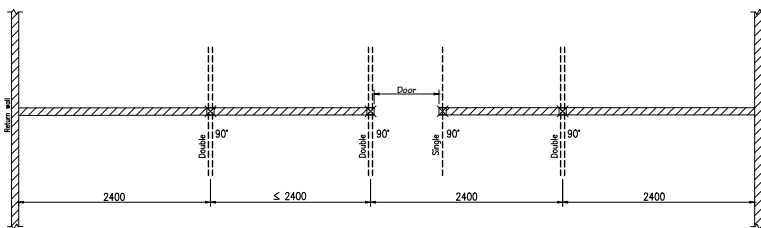
CHRISTCHURCH/ up to 6.0m above ground

NOTES

1/ Height (m) is to floor above partition.

2/ Spacings based on horizontal load < 0.75 kN/m

3/ Allows for 50mm of inter story drift.

4/ For wall heights up to 3.0m.

5/ For wall weights up to 40kg per m2.

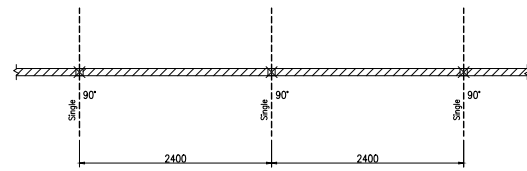**CHART ONE/**

STRAIGHT WALLS WITH NO RETURN WALLS

BRACING AROUND SMALL ROOMS
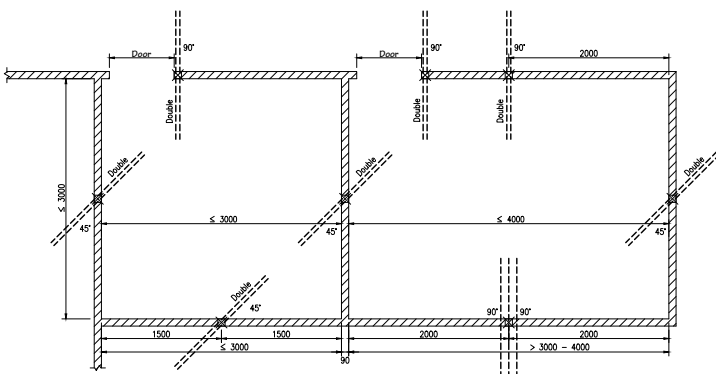
BRACING BETWEEN RETURN WALLS

WELLINGTON/ from 3.0m to 9.0m above ground

CHRISTCHURCH/ above 6.0m from ground

NOTES

1/ Height (m) is to floor above partition.

2/ Spacings based on horizontal load < 1.20 kN/m

3/ Allows for 50mm of inter story drift.

4/ For wall heights up to 3.0m.

5/ For wall weights up to 40kg per m2.

CHART TWO/

STRAIGHT WALLS WITH NO RETURN WALLS

BRACING AROUND SMALL ROOMS

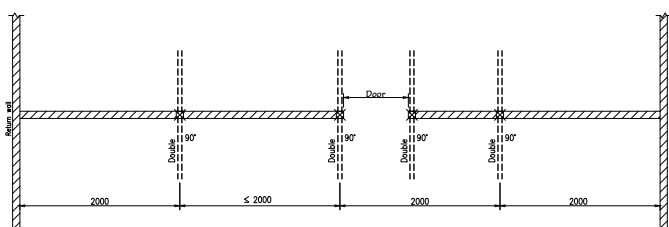**BRACING BETWEEN RETURN WALLS**

WELLINGTON/ above 9.0m from ground

NOTES

1/ Height (m) is to floor above partition.

2/ Spacings based on horizontal load < 1.60 kN/m

3/ Allows for 50mm of inter story drift.

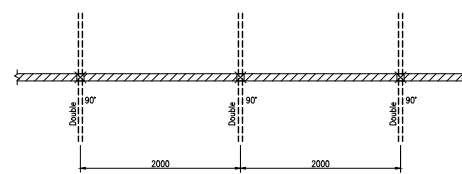4/ For wall heights up to 3.0m.

5/ For wall weights up to 40kg per m2.

CHART THREE/

For wall weights heavier than 40kg per m2 and for Importance Level 3 and 4 Buildings please contact TRACKLOK® Ltd.

Every box of 10 TRACKLOK®, TRACKLOK® TIMBA, TRACKLOK® RETRO or TRACKLOK® VERT contains:

INSTALL INSTRUCTIONS/

1/ Set out head track (clamp or screw temporarily).

2/ Measure TRACKLOK® placements (refer to TRACKLOK® specification sheet).

3/ Create 30-40mm hole in tile with holesaw (pilot bit must spike head section).

4/ Enlarge pilot hole in head track to 9mm

5/ Bolt TRACKLOK® firmly to head track using washer and bolt provided.

6/ Measure distance to structure from fly plate below screw holes and cut your brace material to length as per chart provided.

7/ Connect bracing material to TRACKLOK® fly brace and top plates.

8/ Fix TRACKLOK® top plates to structure with approved anchor.

9/ Remove temporary fixings.

For further installation and limitation information please refer to TRACKLOK® Specification Sheet available on website.

PLENUM NOTES/

Plenum height from 0m up to 2.0m
64mm and/or 92mm .50-.55 BMT steel stud

Plenum height from 2m up to 3.15m
64mm and/or 92mm .50-.55 BMT boxed steel stud

Plenum height from 3.15m up to 4m
64mm and/or 92mm .75 BMT boxed steel stud

PLENUM HEIGHT CHART/

PLENUM HEIGHT FROM FLY PLATE/	EACH BRACING LENGTH/
200mm	183mm
300mm	325mm
400mm	466mm
500mm	605mm
600mm	750mm
700mm	890mm
800mm	1035mm
900mm	1175mm
1000mm	1315mm
1100mm	1455mm
1200mm	1595mm
1300mm	1735mm
1400mm	1875mm
1500mm	2015mm
1600mm	2155mm
1700mm	2295mm
1800mm	2435mm
1900mm	2575mm
2000mm	2715mm

For plenum heights greater than 2000mm please box the bracing studs.

Available From

POTTER INTERIOR SYSTEMS