1.0 CONTRACTOR REQUIREMENTS

1.1 PRE-INSTALLATION COORDINATION WITH OTHER SERVICES

THE PARTITION CONTRACTOR SHALL COORDINATE WITH OTHER SERVICE CONTRACTORS TO ENSURE:

-THE PARTITION STRUCTURE IS ADEQUATE TO SUPPORT THE IMPOSED SERVICE LOADS.
-ADEQUATE CLEARANCE DISTANCE BETWEEN SERVICES AND THEIR RESTRAINTS WILL BE ACHIEVED. REFER 2.5 CLEARANCE DISTANCES.
- NO ADVERSE INTERACTION BETWEEN SERVICES AND PARTITIONS WILL OCCUR.

1.2 CONTRACTOR EXPERIENCE

THE CEILING CONTRACTOR IS ASSUMED TO BE FAMILIAR WITH THE INSTALLATION OF SUSPENDED CEILINGS AND THEIR SEISMIC RESTRAINT. A WORKING KNOWLEDGE OF THE FOLLOWING STANDARDS AND CODES OF PRACTICE IS EXPECTED:

- NZS 4219:2009 SEISMIC PERFORMANCE OF ENGINEERING SYSTEMS IN BUILDINGS
- NZS 4541:2013 AUTOMATIC FIRE SPRINKLER SYSTEMS

1.3 CONTRACTOR QUALITY ASSURANCE

THE PARTITION CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE WORK IS INSTALLED AS PER THE DESIGN DOCUMENTATION.

1.4 VARIATIONS TO DESIGN

THE PARTITION CONTRACTOR SHALL GET THE APPROVAL OF THE DESIGN ENGINEER PRIOR TO CARRYING OUT CHANGES TO THE CEILING INSTALLATION. REFER TO PS1 DOCUMENTATION FOR ENGINEER CONTACT DETAILS.

1.5 CONTRACTOR INSPECTIONS

THE PARTITION CONTRACTOR SHALL PERIODICALLY CARRY OUT DETAILED VISUAL INSPECTION OF THE CEILING AND RESTRAINT INSTALLATION TO ENSURE IT IS IN ACCORDANCE WITH THE DESIGN DOCUMENTATION. RANDOM SAMPLING OF THE FOLLOWING SHALL BE CONDUCTED:

- PARTITION FRAMING CONSTRUCTION
- SEISMIC BRACE INSTALLATION
- CEILING PERIMETER CONNECTIONS
- CLEARANCE DISTANCES TO SERVICES

FOLLOWING INSPECTION, THE PARTITION CONTRACTOR SHALL PROVIDE A MARKED UP PLAN SHOWING AREAS INSPECTED AND ANY CLASHES, DEFECTS THAT NEED TO BE ADDRESSED PRIOR TO PROJECT COMPLETION.

1.6 PRODUCER STATEMENT PS-3 - CONSTRUCTION

THE CEILING CONTRACTOR SHALL PROVIDE A PRODUCER STATEMENT PS-3 TO THE ENGINEER AND A STATEMENT THAT ALL DEFECTS HAVE BEEN REMEDIED.

2.0 INSTALLATION REQUIREMENTS

2.1 INSTALLATION OF PARTITIONS

PARTITIONS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

FULL HEIGHT PARTITIONS UNDERNEATH CONRETE SLABS SHALL BE INSTALLED WITH A DEFLECTION HEAD DETAIL TO ALLOW FOR DIFFERENTIAL MOVEMENT BETWEEN FLOORS.

NOGGING TO BE INSTALLED AT MID-HEIGHT TO ALL PARTITIONS OVER 4.4 m HIGH. NOGGING TO BE INSTALLED TO ALL PARTITIONS WITH PLASTERBOARD ON ONLY ONE SIDE 100 mm BELOW TOP AND AS PER MANUFACTERER GUIDELINES.

PARTIAL HEIGHT PARTITIONS SHALL BE INDEPENDENTLY BRACED TO THE OVERHEAD STRUCTURE

PARTITIONS USED FOR SEIMSIC BRACING OF CEILINGS SHALL BE DESIGNED TO RESIST THE IMPOSED LOADS AS CALCULATED BY THE ENGINEER.

2.5 CLEARANCE DISTANCES

UNLESS OTHERWISE SPECIFIED, ALL CLEARANCE DISTANCES BETWEEN PARTITIONS AND OTHER SERVICES SHALL BE ACCORDANCE WITH TABLE 15 OF NZS 4219 (REPRODUCED BELOW).

CONDITION BEING CONSIDERED	MINIMUM CLEARANCE (mm)	
	HORIZONTAL	VERTICAL
UNRESTRAINED TO UNRESTRAINED COMPONENT	250	50
UNRESTRAINED TO RESTRAINED COMPONENT	150	50
RESTRAINED TO RESTRAINED COMPONENT	50	50
PENETRATION THROUGH STRUCTURE (E.G. WALLS, FLOORS)	50	50

PARTITIONS AND BRACES ARE CONSIDERED TO BE RESTRAINED COMPONENTS

3.0 DESIGN REQUIREMENTS

3.1 CONSTRUCTION MONITORING

CONSTRUCTION MONITORING BY THE ENGINEER AS PER THE CONSTRUCTION MONITORING SCHEDULE IS REQUIRED DURING CONSTRUCTION.

3.2 PRODUCER STATEMENT PS-4 CONSTRUCTION REVIEW

A PRODUCER STATEMENT PS-4 CANNOT BE PROVIDED WHEN COMPLIANCE WITH THE REQUIREMENTS OF THIS SPECIFICATION IS NOT ACHIEVED. A PRODUCER STATEMENT PS-3 IS REQUIRED PRIOR TO ISSUING A PS-4

3.3 DESIGN LOADS

EARTHQUAKE LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH AS/NZS 1170.5 SECTION 8 - PARTS ASSUMING THE PARAMETERS SHOWN IN TABLE 1 BELOW:

TABLE 1 - AS/NZS 1170.5 PARAMETERS

	P3	P7
FALL HEIGHT	> 3m	ANY
WEIGHT	>10 kg	< 10 kg
LIMIT STATE	ULS	SLS1
DUCTILITY	2	1

3.3 SERVICE LOADS

ALLOWABLE SERVICE LOAD IS ## kg m^{-2}. NOTE THAT MANUFACTURERS GUIDELINES ON SUPPORTED ITEMS SHOULD ALSO BE CONSULTED BEFORE THE INSTALLATION OF SHELVING AND WALL MOUNTED EQUIPMENT.

3.4 BRACING CAPACITY

REFER TO THE BELOW TABLE FOR MAXIMUM PLENUM HEIGHTS FOR BRACES USED IN CONJUNCTION WITH TRACKLOK BRACKETS, INSTALLED AS PER MANUFACTURERS RECOMMENDATION.

CONSULT DESIGN ENGINEER IF USING A BRACE IN THE REGION OF "LOWER CAPACITY"

Plenum Height (mm)	64 x 0.55BMT Studs*	92 x 0.75BMT Studs*	64 x 0.55 BMT Boxed Studs*	92 x 0.75BMT Boxed Studs*
0 - 600	OK	OK	OK	OK
600 - 1,000	OK	OK	OK	OK
1,000 - 1,400	OK	OK	OK	OK
1,400 - 1,800	LOWER CAPACITY	LOWER CAPACITY	OK	OK
1,800 - 2,200	LOWER CAPACITY	LOWER CAPACITY	OK	OK
2,200 - 2,600	LOWER CAPACITY	LOWER CAPACITY	OK	OK
2,600 - 3,000	LOWER CAPACITY	LOWER CAPACITY	LOWER CAPACITY	OK
3,000 - 3,500	NOT OK	NOT OK	LOWER CAPACITY	OK
3,500 - 4,000	NOT OK	NOT OK	LOWER CAPACITY	LOWER CAPACITY

NOTES:

TO BE READ IN CONJUCTION WITH OTHER DRAWING SHEETS IN PS1 DRAWING SCHEDULE AND ARCHITECTURAL SPECIFICATION.

DESIGNER:

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Tolerances (unless specified)	1-100	<1000	>1000
	± 2	± 10	± 70

All dim. in mm

Rev	Description
A	FOR CONSENT

Designed	BREVITY LTD	16/01/23
Drawn	BREVITY LTD	16/01/23

NON-STRUCTURAL PARTITION SEISMIC DESIGN - SPECIFICATIONS

Scale: Do not Scale

DRG No.: 057-00