



OUR TOWN HALL

K10 NBS SPECIFICATION

GYPSUM BOARD DRY LININGS/ PARTITIONS/ CEILINGS

Document reference: OTH-PUR-TH-ZZ-SPE-A-5926

Date: 27/03/2020

Status: For Tender

Issue:-

CLAUSE SUFFIX LETTERS



This Purcell Specification is based upon the National Building Specification (NBS). The Contractor's attention is drawn to the suffix letters **A**, **B** and ***** that occur after some of the clause numbers in the work sections.

These suffix letters are used as follows:

- ☐ ***** is used for a new clause, not found in the NBS
- ☐ **A** is used for an NBS clause which has been altered in the Purcell Standard Specification.
- ☐ **B** is used for a new clause in this particular Job Specification or against an existing clause from the Purcell Standard Specification amended for this project.

No liability is accepted for the incorrect application of this convention in this Specification.

Rev	By	Description	Date	Authorised
-	MR	FOR TENDER	27/03/2020	NM

Table of Contents

Title		Page
K10	Gypsum board dry linings/ partitions/ ceilings	3

K10

Gypsum board dry linings/ partitions/ ceilings

K10 Gypsum board dry linings/ partitions/ ceilings

To be read with Preliminaries/ General conditions.

125A METAL STUD PARTITION & LINING SYSTEMS GENERALLY

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Product reference: refer to wall types clauses below.
- Refer to the following drawing for wall types details:
OTH-PUR-TH-ZZ-DWG-A-5680
OTH-PUR-TH-ZZ-DWG-A-5681
OTH-PUR-TH-ZZ-DWG-A-5682
OTH-PUR-TH-ZZ-DWG-A-5683
- Refer to the following drawing for wall types locations:
OTH-PUR-TH-LG-DWG-A-8502
to
OTH-PUR-TH-07-DWG-A-8530

126A METAL STUD PARTITION WALL TYPE 2 - LOWER GROUND PLANT AREAS

- Manufacturer - as clause 125A
- Fire rating - 120min. Integrity & Insulation
- Framing - 70mm C' studs
- Maximum height - 4200mm.
- Lining - 2 layers of 12.5mm moisture resistant Fireline board to both sides of stud.
- Overall thickness - 122mm
- Duty rating - Severe
- Acoustic performance - 46Rw dB

127A METAL STUD PARTITION WALL TYPE 3 - STUD PARTITION TO SERVICE AREAS

- Manufacturer - as clause 125A
- Fire rating - 60min. Integrity & Insulation
- Framing - 70mm 'C' studs
- Maximum height - 4000mm.
- Lining - 2 layers of 12.5mm SoundBloc board to both sides of stud.
- Overall thickness - 122mm
- Duty rating - Severe
- Acoustic performance - 52Rw dB

128A METAL STUD PARTITION WALL TYPE 4 - PARTITION IN PROTECTED CORE

- Manufacturer - as clause 125A
- Fire rating - 120min. Integrity & Insulation
- Framing - 92mm C studs.
- Maximum height - 5900mm.
- Lining - 2 layers of 15mm Fireline board to both sides of stud
Insulation - 25mm Isover Acoustic Partition Roll.
- Overall thickness - 154mm
- Duty rating - Severe
- Acoustic performance - 52Rw dB

129A METAL STUD PARTITION WALL TYPE 5 - SHAFT WALL IN PROTECTED CORE

- Manufacturer - as clause 125A
- Fire rating - 120min.
- Framing - 146mm 'T' studs with retaining channels
- Maximum height - 6000mm.
- Lining - 3 layers of 15mm Fireline board to one side of stud and one later of 15mm Coreboard.
- Overall thickness - 193mm
- Duty rating - Severe
- Acoustic performance - 49dB

130A METAL STUD PARTITION WALL TYPE 5A - Cooper St Lift Shaft Wall

- Manufacturer - as clause 125A
- Fire rating - 60min. Integrity & Insulation
- Framing - 92mm 'I' studs with retaining channels
- Maximum height - 6000mm.
- Lining - 1 layer of 15mm Fireline board to one side of stud and one later of 15mm Coreboard.
- Overall thickness - 109mm
- Duty rating - Heavy
- Acoustic performance - 40RwdB

131A METAL STUD PARTITION WALL TYPE 6 - PARTITION IN PRESSURISED CORE

- Manufacturer - as clause 125A
- Fire rating - 90min.
- Framing - 92mm 'C' studs
- Maximum height - 5000mm.
- Lining - 2 layers of 15mm SoundBloc board to both sides of stud
- Overall thickness - 154mm
- Duty rating - Severe
- Acoustic performance - 52dB

132A METAL STUD PARTITION SYSTEM WALL TYPE 7 - RISER STUD PARTITION

- Manufacturer - as clause 125A
- Fire rating - 90min. Integrity & Insulation
- Framing - 92mm I studs with retaining channels
- Maximum height - 6000mm.
- Lining - 2 layers of 15mm Fireline board to one side of stud and one layer of 15mm Coreboard
- Overall thickness - 124mm
- Duty rating - Severe
- Acoustic performance - 44RwdB

132B METAL STUD PARTITION SYSTEM WALL TYPE 7A - RISER STUD PARTITION WITH INSULATION

- Manufacturer - as clause 125A
- Fire rating - 90min.
- Framing - 92mm I studs with retaining channels
- Maximum height - 6000mm.
- Lining - 2 layers of 15mm Fireline board to one side of stud and one layer of 15mm Coreboard
- Insulation - 25mm Isover Acoustic Partition Roll
- Overall thickness - 124mm
- Duty rating - Severe
- Acoustic performance - 46dB

133A FIRECASE WALL TYPE 8 - INFILL TO EXISTING DOOR

- Partition height: 2398mm.
- Head condition: Timber soffit/architrave.
 - Deflection allowance: 10 mm maximum.
- Structural performance:
 - Strength grade to BS 5234-2: Medium.
 - Additional tests: Not required.
 - Air pressure and deflection: Not applicable.
 - Other requirements: None.
- Fire performance:
 - Reaction to fire: 30 min. fire rating.
 - Fire resistance of complete partition assembly: To BS EN 13501-2. REI 30.
- Airborne sound insulation
 - Laboratory measurement of complete partition assembly:
 - Weighted sound reduction index R_w (minimum) to BS EN ISO 717-1: 45dB.
- Metal framing: Type recommended by board manufacturer to complete the partition assembly and achieve specified performance.
- Insulation: 25mm Isover insulation.
 - Recycled content: Submit proposals.
 - Thickness: 25mm.
 - " Resilient layer: N/a.
 - " Linings: 2 layers of 15mm Wallboard to one side of stud and one layer of 19mm CoreBoard.
 - " Finishing: Skim coat plaster .
 - Primer/ Sealer: Not required.

134A METAL STUD PARTITION WALL TYPE 10 - PARTITION IN CHANGING ROOMS/WC

- Manufacturer - as clause 125A
- Framing - 70mm 'C' studs.
- Maximum height - 4900mm.
- Lining - 2 layers of 15mm SoundBloc board to both sides of stud.
- Insulation - 50mm Isover Acoustic Partition Roll.
- Overall thickness - 132mm
- Duty rating - Severe
- Acoustic performance - 56Rw dB

135A METAL STUD PARTITION WALL TYPE 10A - PARTITION IN CHANGING ROOMS/WC

- Manufacturer - as clause 125A.
- Framing - 70mm 'C' studs.
- Maximum height - 4600mm.
- Lining - 2 layers of 15mm SoundBloc board to one side of stud and one layer of 15mm SoundBloc with one layer of 12.5mm Glasroc H tilebacker to one side.
- Insulation - 50mm Isover Acoustic Partition Roll.
- Overall thickness - 130mm
- Duty rating - Severe
- Acoustic performance - 54dB

136A METAL STUD PARTITION WALL TYPE 10B - PARTITION IN CHANGING ROOMS/WC

- Manufacturer - as clause 125A
- Framing - 70mm 'C' studs.
- Maximum height - 4600mm.
- Lining - One layer of 15mm SoundBloc with one layer of 12.5mm Glasroc H tilebacker to one side of stud and one layer of 15mm SoundBloc with one layer of 12.5mm Glasroc H tilebacker to one side.
- Insulation - 50mm Isover Acoustic Partition Roll.
- Overall thickness - 127mm
- Duty rating - Severe
- Acoustic performance - 52Rw dB

137A METAL STUD PARTITION WALL TYPE 11 - PARTITION IN SHOWER CUBICLE

- Manufacturer - as clause 125A
- Framing - 70mm 'C' studs.
- Maximum height - 4600mm.
- Lining - One layer of 12.5mm Wallboard with one layer of 12.5mm Glasroc H tilebacker to one side of stud and one layer of 12.5mm Wallboard with one layer of 12.5mm Glasroc H tilebacker to one side
- Overall thickness - 122mm
- Duty rating - Severe
- Acoustic performance - 45dB

138A METAL STUD PARTITION WALL TYPE 14 - PARTITION BETWEEN ROOMS

- Manufacturer - as clause 125A
- Fire rating - 60min. Integrity & Insulation
- Framing - 146mm C studs.
- Maximum height - 5700mm.
- Lining - 2 layers of 12.5mm SoundBloc board to both sides of stud with resilient bars to both sides.
- Insulation - 50mm Isover Acoustic Partition Roll.
- Overall thickness - 228mm
- Duty rating - Severe
- Acoustic performance - 64Rw dB

139A METAL STUD PARTITION WALL TYPE 15 - PARTITION BETWEEN ROOMS

- Manufacturer - as clause 125A
- Fire rating - 30min. Integrity & Insulation
- Framing - 70mm 'C' studs.
- Maximum height - 4600mm.
- Lining - 2 layers of 12.5mm Wallboard board to both sides of stud.
- Insulation - 25mm Isover Acoustic Partition Roll.
- Overall thickness - 122mm
- Duty rating - Severe
- Acoustic performance - 49Rw dB

144A METAL STUD PARTITION WALL TYPE CAT 01

- Manufacturer - as clause 125A
- Fire rating - n/a
- Framing - Inner layer: 146mm 'I' studs with retaining channels; Outer layer: 92mm 'I' studs
- Maximum height - n/a
- Lining
 - Inner layer: 2 layers of 15mm Fireline board, 1 layer of 19mm WBP Plywood Board as per K10/416A with Altro Whiterock lining as per M50/160A to one side of stud and 1 layer of 18mm Coreboard to one side of stud.
 - Outer layer: 1 layer of 25mm WBP Plywood Board as per K10/416A to outer side of stud
- Overall thickness - 338mm
- Duty rating - n/a
- Acoustic performance - n/a

144B METAL STUD PARTITION WALL TYPE CAT 02

- Manufacturer - as clause 125A
- Fire rating - n/a
- Framing - 146mm 'I' studs with retaining channels
- Maximum height - n/a
- Lining - 2 layers of 15mm Fireline board, 1 layer of 19mm WBP Plywood Board as per K10/416A with Altro Whiterock lining as per M50/160A to one side of stud and 1 layer of 18mm Coreboard to one side of stud.
- Overall thickness - 208mm
- Duty rating - n/a
- Acoustic performance - n/a

145A INDEPENDENT WALL LINING SYSTEM (METAL STUDS) TYPE 12 - SERVICES VOID

- Manufacturer - as clause 125A
- Cavity between wall and studs - No more than 50mm
- Framing - 70mm 'I' studs.
- Maximum height - 4800mm.
- Lining - One layer of 12.5mm Wallboard with one layer of 12.5mm Glasroc H tilebacker to one side of stud only.
- Overall thickness - 97mm

146A INDEPENDENT WALL LINING SYSTEM (METAL STUDS) TYPE 20 - FIRE UPGRADE

- Manufacturer - as clause 125A
- Cavity between wall and studs - No more than 50mm
- Framing - 70mm 'I' studs.
- Maximum height - 5200mm.
- Lining - 2 layers of 12.5mm FireLine to one side of stud only.
- Overall thickness - 97mm

147A INDEPENDENT WALL LINING SYSTEM (METAL STUDS) TYPE CAT 03

- Manufacturer - as clause 125A
- Cavity between wall and studs - Offset stud 10mm from face of existing skirting boards
- Framing - 70mm 'I' studs.
- Maximum height - n/a
- Lining - 2 layers of 12.5mm Wallboard, 1 layer of 19mm WBP Plywood Board as per K10/416A with Altro Whiterock lining as per M50/160A to one side of stud
- Overall thickness - 119mm

165A WALL LINING SYSTEM (METAL FRAMING) TYPE 13 - LINING TO EXISTING WALL

- Manufacturer - as clause 125A
- Cavity between existing wall and back of lining - Minimum 15mm
- Framing - MF10 Channel.
- Lining - One layer of 12.5mm Glasroc H tilebacker to one side of channel only.
- Overall thickness - Min 28mm

206 LINING ON TIMBER WC AND FACILITIES WET WALLS - TYPE 12A

Background: Stud partitions and walls with single or twin frames. Suitable for new and refurbishment housing projects.

Timber stud separating or compartment walls are specified as fire resisting walls in residential units such as flats and apartments, to meet the requirements of national Building Regulations.

Recommended centres for timber studs:

600 mm wide boards (Gyproc Plank): studs at 600 mm centres. [Size / specification of timber framing?](#)

- **Manufacturer:** British Gypsum
www.british-gypsum.com
+44 (0)844 800 1991
- Linings: One layer of 12.5mm Wallboard with one layer of 12.5mm Glasroc H tilebacker to one side of stud only. .
 - Fixing: 36 mm British Gypsum drywall screws .
- Finishing: To receive ceramic tiles .
 - Primer/ Sealer: Two coats of Gyproc Drywall Sealer .
 - Accessories: Shadow gap bead. Expamet 581A3000. DoP Ref.EXP071CPR2013 .
- Other requirements: None .

210A MASONRY WALL TYPE 1 - MATCH EXISTING WALL

- Brickwork:
 - New brickwork to match existing in size, shape, appearance and quality
 - New brickwork to be fixed to existing fabric with wall ties to S.E. specification
- Bond:
 - English cross bond infill to be flush with line of existing brickwork to allow for flush plastering
- Finishing:
 - Any areas altered to form new penetrations to receive new lime plaster finish and skim to achieve uniform finish.
- Overall Thickness:
 - Allow for 1 solid masonry wall per infill i.e. 225mm depth unless noted otherwise

[This currently isn't noted on plans. Plans indicate complete infill to width of existing wall.](#)

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220A PROPRIETARY SUSPENDED CEILING SYSTEM CEILING TYPE 2

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Product reference: CasoLine MF suspended ceiling system
- Structural Soffits: Existing concrete slab
- Suspension system:
 - Hanger type: MF8 Strap Hanger.
 - Top fixings: To existing concrete slab
 - Grid centres: 450 mm.
 - Hanger centres: Maximum 1200 mm
- Linings: 2 x 12.5 Gyproc Wallboard.
- Insulation: Not required
- Type: n/a.
 - Thickness: n/a.
- Access Units: TBC [Confirm Access hatch specification.](#)
- Finishing: Taped seamless finish.
- Primer/ Sealer: One coat of Gyproc Drywall Primer.
- Other requirements: Gypframe GL8 perimeter track.

221A PROPRIETARY SUSPENDED CEILING SYSTEM CEILING TYPE 3 - 120min FR

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Product reference: CasoLine MF suspended ceiling system
- Structural Soffits: Existing concrete slab
- Suspension system:
 - Hanger type: MF8 Strap Hanger
 - Top fixings: To existing concrete slab
 - Grid centres: 400mm.
 - Hanger centres: Maximum 900 mm
- Linings: 2 x 15 mm Gyproc FireLine.
- Insulation: Not required
- Type: n/a.
 - Thickness: n/a.
- Access Units: n/a.
- Finishing: Taped seamless finish.
- Primer/ Sealer: One coat of Gyproc Drywall Primer.
- Other requirements: Gypframe GL8 perimeter track.

222A PROPRIETARY SUSPENDED CEILING SYSTEM CEILING TYPE 4

- Manufacturer: Armstrong Ceiling Solutions
 - Web: <https://www.armstrongceilingsolutions.co.uk/>
 - Contact Technical: 0800 371 849
 - Product reference: Armstrong Bioguard Premium B15
- Suspension system: U-Profile + DP12 A-Bar
 - Hanger type: Nonius Hanger with Nonius Top Part
 - Top fixings: Existing concrete slab
 - Primary grid centres: [1200mm].
 - Edge detail: S-Clip F
 - Secondary grid centres/Module: 600x600mm
- Tile: Armstrong Metal Lay-In Bioguard Plain
 - Colour: Global White
 - Perforations: Ø: 1.5 mm. 22% open area with 20mm unperforated border
- Insulation: [not required].
- Access Units: Not required, tile insertion & extraction part if system
- Finishing: [n/a].
- Primer/ Sealer:
 - Type: [n/a].
- Accessories : [n/a].

223A PROPRIETARY SUSPENDED CEILING SYSTEM CEILING TYPE 6

- Manufacturer: Armstrong Ceiling Solutions
 - Web: <https://www.armstrongceilingsolutions.co.uk/>
 - Contact Technical: 0800 371 849
 - Product reference: Armstrong Bioguard
- Suspension system: Armstrong Prelude 24 TLS / TL2 grid system
 - Hanger type: Prelude 24
 - Top fixings: Existing concrete slab
 - Hanger centres: 1200mm.
 - Edge detail: Tegular
 - Module: 600x600mm gua
- Tile: Armstrong Metal Lay-In Bioguard Plain
 - Colour: Global White
 - Perforations: Unperforated
- Insulation: not required.
- Access Units: Not required.
- Finishing: n/a.
- Primer/ Sealer:
 - Type: n/a.
- Accessories : n/a.

224A CEILING LINING ON TIMBER CEILING TYPE 9

Are new joists expected to be procured within this ceiling type?

- Background: Joists at assumed 450mm centres
- Metal resilient (acoustic) bars: Not required.
- Linings: 2x layers of 12.5mm Gyproc Wallboard to underside of joist and one layer of 22mm plywood board to other side
 - Fixings: Fixed with screws to joists
- Finishing: Taped seamless finish
 - Primer/ Sealer: As recommended by board manufacturer for vapour control
 - Accessories: Metal beads/ stops recommended by board manufacturer
- Other requirements: n/a

225A CEILING LINING ON TIMBER CEILING TYPE 10

- Background: 25x38mm cross battens at 400mm centres
- Metal resilient (acoustic) bars: Not required.
- Linings: 2x layers of 12.5mm Gyproc Wallboard to underside of battens
 - Fixings: Fixed with screws to battens
- Insulation: 100mm Rockwool insulation between timber joists and steel structure above battens.
Refer to NBS P10/140*
- Finishing: Taped seamless finish
 - Primer/ Sealer: As recommended by board manufacturer for vapour control
 - Accessories: Metal beads/ stops recommended by board manufacturer
- Other requirements: DuPont Airguard Vapour Control Layer wrapped to batten and mechanically fixed to existing structure

226A CEILING LINING ON TIMBER CATERING CEILING TYPE 01 [Joist specification required within this clause.](#)

- Background: Joists to S.E. specification assumed at 600mm centres
- Metal resilient (acoustic) bars: Not required.
- Linings: 2x layers of 12mm Promat Supalux boards to underside of joists
 - Fixings: Fixed with screws to joists
- Insulation: 60mm loose laid Rockwool Flexi insulation between timber joists and steel structure above linings.
- Finishing: Taped seamless finish
 - Primer/ Sealer: As recommended by board manufacturer for vapour control
 - Accessories: Metal beads/ stops recommended by board manufacturer
- Other requirements: Soffit to for 90' Integrity & Insulation fire compartment

265A ENCASEMENT SYSTEM WALL TYPE 9 - STEEL BEAM AND COLUMN ENCASEMENT SYSTEM

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Product reference: FireCase
- Extent of protection to structural members: Four sided protection to steel columns.
- Fire performance: 90 min. Integrity & Insulation.
- Support system: Sizes and spacing of intermediate backing strips/ noggings/ metal angles and fixings as recommended by British Gypsum
- Linings: 20 mm Glasroc F FireCase.
- Fixings: Gyproc Firecase Screws .
- Finishing:
 - Type: Skim coat plaster finish.
 - Accessories: None.

GENERAL/ PREPARATION**305 COMPLIANCE WITH PERFORMANCE REQUIREMENTS**

- Testing/ Assessment: Submit UKAS accredited laboratory reports for the following: Fire resistance: Partitions (including deflection heads and doorsets) and suspended ceilings (including access units)..
- Materials, components and details: As used in testing/ assessment reports. If discrepancies arise, give notice.

[Note is required regarding bespoke nature of the project. Does the specified system have test data for fixing into Jack Arches / Interfacing with existing stonework? Strategy needs to be defined by PURCELL and agreed with BCO.](#)

325 PREPARATION OF MASONRY TO RECEIVE WALL LININGS

- General: Suitable to receive lining system. Redundant fixtures and services removed. Cutting, chasing and making good completed.
- Holes, gaps, service penetrations, perimeter junctions and around openings: Seal.
- Adhesive fixings: Prepare substrate to achieve effective bonding.
 - Contaminants: Remove loose material, dirt, grease, oil, paper, etc.
 - Absorption: Control by dampening, priming or applying bonding agents as necessary.

335 ADDITIONAL SUPPORTS

- Framing: Accurately position and securely fix to give full support to:
 - Partition heads running parallel with, but offset from main structural supports.
 - Fixtures, fittings and service outlets. Mark framing positions clearly and accurately on linings.
 - Board edges and lining perimeters, as recommended by board manufacturer to suit type and performance of lining.

COMPONENTS**400 GYPSUM BOARDS GENERALLY**

- Standard:
 - Gypsum plasterboard to BS EN 520.
 - Gypsum fibre board to BS EN 15283-2.
 - Evidence of compliance: All sheets to be CE marked. Submit Declaration of Performance (DoP).

401* GYPSUM PLASTERBOARD

- Type: To BS EN 520, type A.
- Core density (minimum): 650 kg/m³.
- Reaction to fire: Class A2-s1, d0.
- Water vapour resistance factor: Dry - 10 μ.
- Thermal conductivity: Manufacturer's standard.
- Other BS EN 520 characteristics: n/a.
- Recycled content: 36% (minimum) to BS EN ISO 14021.
- Exposed surface and edge profiles: Clean and undamaged.

403 GYPSUM PLASTERBOARD (MOISTURE RESISTANT)

- Type: To BS EN 520, type H2.
- Core: Moisture resistant.
 - Density (minimum): 710 kg/m³.
- Paper facings: Moisture resistant.
- Reaction to fire: Class A2-s1, d0.
- Water vapour resistance factor: Manufacturer's standard.
- Thermal conductivity: Manufacturer's standard.
- Other BS EN 520 characteristics: None.
- Recycled content: 36% (minimum) to BS EN ISO 14021.
- Exposed surface and edge profiles: Clean and undamaged.

404 GYPSUM PLASTERBOARD (IMPROVED FIRE PROTECTION)

- Type: To BS EN 520, type F.
- Core: Including fibres and/ or other additives for improved cohesion.
 - Density (minimum): 800 kg/m³.
- Reaction to fire: Class A2-s1, d0.
- Water vapour resistance factor: Manufacturer's standard.
- Thermal conductivity: Manufacturer's standard.
- Other BS EN 520 characteristics: None.
- Recycled content: 36% (minimum) to BS EN ISO 14021.
- Exposed surface and edge profiles: Clean and undamaged.

409 GYPSUM PLASTERBOARD (IMPROVED SOUND INSULATION)

- Type: To BS EN 520, type D.
- Core density (minimum): 820 kg/m³.
- Reaction to fire: Class A2-s1, d0.
- Water vapour resistance factor: Manufacturer's standard.
- Thermal conductivity: Manufacturer's standard.
- Other BS EN 520 characteristics: None.
- Recycled content: 36% (minimum) to BS EN ISO 14021.
- Exposed surface and edge profiles: Clean and undamaged.

430A ACCESS PANEL Type 1 - Wall Access Panel : Tiled Wet Walls

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 8000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Beaded
- Panel: Marine Ply
- Lock: Tamper-proof lock
- Fire Rating: Non Fire Rated
- Other Requirements: N/A

430B ACCESS PANEL Type 2 - Wall Access Panel : Catering Areas

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 9000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Picture
- Panel: Metal Door- 1.2mm electro-galvanised mild steel, Neutral / grey colour not standard white - Sample to be provided and agreed with architect.
- Lock: Tamper-proof lock
- Fire Rating: Non Fire Rated
- Other Requirements: Anti - bacterial specialist coating

430C ACCESS PANEL Type 3 - Wall Access Panel : Proposed Risers

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 1000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Beaded
- Panel: Metal Door- 1.2mm electro-galvanised mild steel
- Lock: Tamper-proof lock
- Fire Rating: 60 minutes
- Other Requirements: Neutral / grey colour not standard white - Sample to be provided and agreed with architect.

430D ACCESS PANEL Type 4 - Wall Access Panel : Double Leaf in Proposed Fabric

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 4000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Beaded
- Panel: Metal Door- 1.2mm electro-galvanised mild steel
- Lock: Three point lock with high security Euro Profile cylinder combined with T Bar key operation.
- Fire Rating: 60 minutes
- Other Requirements: Fully matt powder coated

430E ACCESS PANEL Type 4A - Wall Access Panel : Double Leaf in Existing Fabric

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 4000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Picture
- Panel: Metal Door- 1.2mm electro-galvanised mild steel
- Lock: Three point lock with high security Euro Profile cylinder combined with T Bar key operation.
- Fire Rating: 60 minutes
- Other Requirements: Neutral / grey colour not standard white - Sample to be provided and agreed with architect.

430F ACCESS PANEL Type 5 - Wall Access Panel : Single Riser Door

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 4000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Beaded
- Panel: Metal Door- 1.2mm electro-galvanised mild steel
- Lock: Three point lock with high security Euro Profile cylinder combined with T Bar key operation.
- Fire Rating: 60 minutes
- Other Requirements: Fully matt powder coated

430G ACCESS PANEL Type 6 - Wall Access Panel : Double Riser Door in Proposed Fabric

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 4000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Beaded
- Panel: Metal Door- 1.2mm electro-galvanised mild steel
- Lock: Three point lock with high security Euro Profile cylinder combined with T Bar key operation.
- Fire Rating: 60 minutes
- Other Requirements: Neutral / grey colour not standard white - Sample to be provided and agreed with architect.

430H ACCESS PANEL Type 6A - Wall Access Panel : Double Riser Door in Existing Fabric

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 4000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Picture
- Panel: Metal Door- 1.2mm electro-galvanised mild steel
- Lock: Three point lock with high security Euro Profile cylinder combined with T Bar key operation.
- Fire Rating: 60 minutes
- Other Requirements: Fully matt powder coated

430I ACCESS PANEL Type 7 - Ceiling Access Panels

- Manufacturer: Profab Access Ltd.
 - Web: www.profabaccess.com.
 - Email: technical@profabaccess.com.
 - Product reference: 1000 Series
- Size: As per Schedule: Refer to OTH-PUR-TH-ZZ-SCH-A-5913
- Location: Refer to Ceiling ID Plans OTH-PUR-TH-LG-DWG-A-5090 to 5098 and Detailed Wall Types Plans OTH-PUR-TH-LG-DWG-A-8502 to 8530
- Frame Style: Beaded
- Panel: Plasterboard Door
- Lock: Tamper-proof lock
- Fire Rating: N/A
- Other Requirements: N/A

INSTALLATION**435 DRY LININGS GENERALLY**

- General: Use fixing, jointing, sealing and finishing materials, components and installation methods recommended by board manufacturer.
- Cutting gypsum boards: Neatly and accurately without damaging core or tearing paper facing.
 - Cut edges: Minimize and position at internal angles wherever possible. Mask with bound edges of adjacent boards at external corners.
- Fixings boards: Securely and firmly to suitably prepared and accurately levelled backgrounds.
- Finishing: Neatly to give flush, smooth, flat surfaces free from bowing and abrupt changes of level.

445 CEILINGS

- Sequence: Fix boards to ceilings before installing dry lined walls and partitions.
- Orientation of boards: Fix with bound edges at right angles to supports and with ends staggered in adjacent rows.
- Two layer boarding: Stagger joints between layers.

455 METAL FRAMING FOR PARTITIONS/ WALL LININGS

- Setting out: Accurately aligned and plumb.
 - Frame/ Stud positions: Equal centres to suit specified linings, maintaining sequence across openings.
 - Additional studs: To support vertical edges of boards.
- Fixing centres at perimeters (maximum): 600 mm.
- Openings: Form accurately.
 - Doorsets: Use sleeved or boxed metal studs and/ or suitable timber framing to achieve strength grade requirements for framing assembly and adequately support weight of door.
 - Services penetrations: Allow for associated fire stopping.

485 SUSPENDED CEILING GRIDS

- Setting out: Accurately aligned and level.
 - Grid members and hangers: Centres to suit specified linings and imposed loads.
 - Additional grid members: Provide bracing and stiffening at upstands, partition heads, access hatches, etc.
- Fixing: Securely at perimeters, grid joints, top and bottom hanger fixings.

505 INSTALLING MINERAL WOOL INSULATION

- Fitting insulation: Closely butted joints and no gaps. Use fasteners to prevent slumping or displacement.
- Services:
 - Electrical cables overlaid by insulation: Sized accordingly.
 - Ceilings: Cut insulation around electrical fittings, etc.

510 SEALING GAPS AND AIR PATHS

- Location of sealant: To perimeter abutments and around openings.
 - Pressurized shafts and ducts: At board-to-board and board-to-metal frame junctions.
- Application: To clean, dry and dust free surfaces as a continuous bead with no gaps.
 - Gaps greater than 6 mm between floor and underside of gypsum board: After sealing, fill with jointing compound.

530 CAVITY FIRE BARRIERS WITHIN PARTITIONS/ WALL LININGS

- Metal framed systems:
 - Material: Wire reinforced mineral wool 50 mm (minimum) thick.
 - Installation: Form accurately and fix securely with no gaps to provide a complete barrier to smoke and flame.
- Adhesive fixed wall lining systems:
 - Material: Adhesive compound.
 - Installation: Form in a continuous line with no gaps to provide a complete barrier to smoke and flame.

555 FIRE STOPPING AT PERIMETERS OF DRY LINING SYSTEMS

- Material: Tightly packed mineral wool or intumescent mastic/ sealant.
- Application: To perimeter abutments to provide a complete barrier to smoke and flame.

565 VERTICAL JOINTS

- Joints: Centre on studs.
 - Partitions: Stagger joints on opposite sides of studs.
 - Two layer boarding: Stagger joints between layers.

570 HORIZONTAL JOINTS

- Surfaces exposed to view: Horizontal joints not permitted. Seek instructions where height of partition/ lining exceeds maximum available length of board.
- Two layer boarding: Stagger joints between layers by at least 600 mm.
- Edges of boards: Support using additional framing.
 - Two layer boarding: Support edges of outer layer.

590 FIXING GYPSUM BOARD TO METAL FRAMING/ FURRINGS

- Partitions/ Wall linings: Fix securely and firmly at the following centres (maximum):
 - Single layer boarding: To all framing at 300 mm centres. Reduce to 200 mm centres at external angles.
 - Multi-layer boarding: Face layer at 300 mm centres, and previous layers around perimeters at 300 mm centres.
- Ceilings: 230 mm. Reduce to 150 mm at board ends and at lining perimeters.
- Position of screws from edges of boards (minimum): 10 mm.
 - Screw heads: Set in a depression. Do not break paper or gypsum core.

595 DEFLECTION HEADS

- Fixing boards: Do not fix to head channels.

610 FIXING GYPSUM BOARD TO TIMBER

- Fixing to timber: Securely at the following centres (maximum):
 - Nails: 150 mm.
 - Screws to partitions/ wall linings: 300 mm. Reduce to 200 mm at external angles.
 - Screws to ceilings: 230 mm.
- Position of nails/ screws from edges of boards (minimum):
 - Bound edges: 10 mm.
 - Cut/ unbound edges: 13 mm.
- Position of nails/ screws from edges of timber supports (minimum): 6 mm.

FINISHING**650 LEVEL OF DRY LINING ACROSS JOINTS**

- Sudden irregularities: Not permitted.
- Joint deviations: Measure from faces of adjacent boards using methods and straightedges (450 mm long with feet/ pads) to BS 8212, clause 3.3.5.
 - Tapered edge joints:
 - Permissible deviation (maximum) across joints when measured with feet resting on boards: 3 mm.
 - External angles:
 - Permissible deviation (maximum) for both faces: 4 mm.
 - Internal angles:
 - Permissible deviation (maximum) for both faces: 5 mm.

680 SKIM COAT PLASTER FINISH

- Plaster type Gyproc .
 - Thickness: 2-3 mm.
- Joints: Fill and tape except where coincident with metal beads.
- Finish: Tight, matt, smooth surface with no hollows, abrupt changes of level or trowel marks.

680A THISTLE MULTI FINISH

- Manufacturer: British Gypsum.
 - Web: www.british-gypsum.com.
 - Email: bgtechnical.enquiries@bpb.com.
 - Product reference: Thistle Multi Finish

692 RIGID BEADS/STOPS

- Internal: To BS EN 13658-1.
- External: To BS EN 13658-2.

695 INSTALLING BEADS/ STOPS

- Cutting: Neatly using mitres at return angles.
- Fixing: Securely using longest possible lengths, plumb, square and true to line and level, ensuring full contact of wings with substrate.
- Finishing: After joint compounds/ plasters have been applied, remove surplus material while still wet from surfaces of beads exposed to view.

725 REPAIRS TO EXISTING GYPSUM BOARD

- Filling small areas with broken cores: Cut away paper facing, remove loose core material and fill with jointing compound.
 - Finish: Flush, smooth surface suitable for redecoration.
- Large patch repairs: Cut out damaged area and form neat hole with rectangular sides. Replace with matching gypsum board.
 - Fixing: Use methods to suit type of dry lining, ensuring full support to all edges of existing and new gypsum board.
 - Finishing: Fill joints, tape and apply jointing compound to give a flush, smooth surface suitable for redecoration.