Drywalls Partition Systems

SHAFT WALL

SYSTEM COMPONENTS
ASSEMBLY & FINISHING



SYSTEM (ZW 300)

BRINGING
PLASTERBOARD
TO LIFE

WE ARE THE PIONEERS ... WE ARE THE BEST



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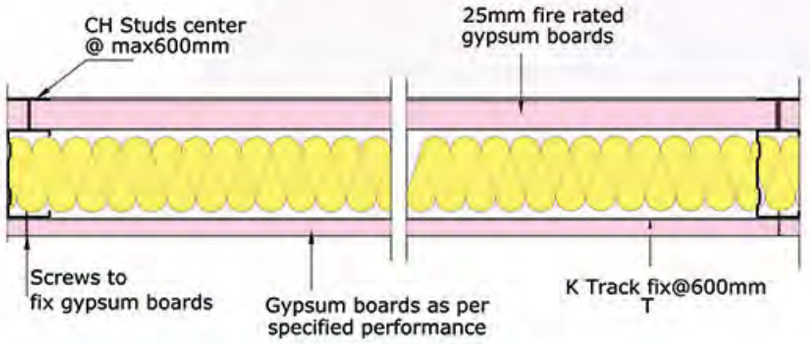
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INSTALLATION

- Lay out shaft wall in locations indicated on construction drawings.
- Anchor (TK) Track perimeter framing at a butting horizontal and vertical construction.
- Anchor with approved fasteners spaced at maximum (600 mm) center to center.
- Apply non-hardening, flexible sealant in a continuous application at the perimeter.
- Space, (CH) Studs at (600 mm) center to center.
- Adjust the spacing at ends of shaft wall construction so that, end studs are at minimum of (200 mm) from the ends.
- Install the first Shaft liner panel. The panel length shall be (10 mm) less than the total height of the framed section.
- Plumb the panel against the web of the (TK) Track and secure the panel in place by Inserting a (CH) Stud into the top and bottom (TK) Tracks and fit tightly over the previously installed 1" (25 mm) panel.



- Allow equal clearance between track and stud at top and bottom of (TK) track. The stud length shall be (10 mm) less than the total height of the framed section.
- Install the second 1" (25 mm) Shaft liner panel inside the (TK) Track and fix the (CH) stud with (TK) track.
- Install succeeding studs and panels in the same manner as described for the first and second panels until the wall sections is complete.
- Anchor the final panel section at (300 mm) center to center with suitable screws.
- Where wall heights exceed the standard or available length of Shaft liner, the panels shall be cut and stacked. The shorter panels shall be minimum (600 mm) long and of sufficient length to engage two stud tabs. Joints of adjacent panels shall be offset at least (300 mm).
- For doors, ducts or other large penetrations or openings, install (TK) Track as perimeter framing. Use another (TK) Track with a (40 mm) back leg for elevator doors and block cavity.
- Install (300 mm) wide gypsum filler strips for doors exceeding (2135 mm) height.





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2- Installation of Gypsum Boards

A - when finished one side:

- Install the base layer of gypsum board horizontally with approved fasteners spaced at (600 mm) center to center and (40 mm) from all edges.
- Offset the horizontal joints minimum (300 mm) from any splice joints in the shaft liner panels.
- Install the face layer of gypsum board vertically to the framing with approved fasteners spaced at minimum of (300 mm) center to center and at (152 mm) from all edges.
- Offset edges and end joints from the base layer at least (600 mm).

B - Stairwell system finished both sides:

- Install gypsum board on both sides, either horizontally or vertically.
- Attach gypsum board with approved fasteners spaced at (300 mm) o.c. and at (152 mm) from all edges. Offset edges and ends of gypsum board on opposite side's minimum (600 mm).

Notes: Don't Fasten plaster board into top and bottom track.

3 - Insulation

- Any insulation to be of type and thickness to achieve required performance are tightly installed in a continuous layer crossing behind studs.
- Where insulation may be expected to slump, suspend it from Insulation Hold strips 150mm from top of Wall and at 1200mm vertical centers.
- 10mm clear gap must be maintained between substrate and insulation.

Taping and Jointing

Taping and Jointing is a 3 stage process:

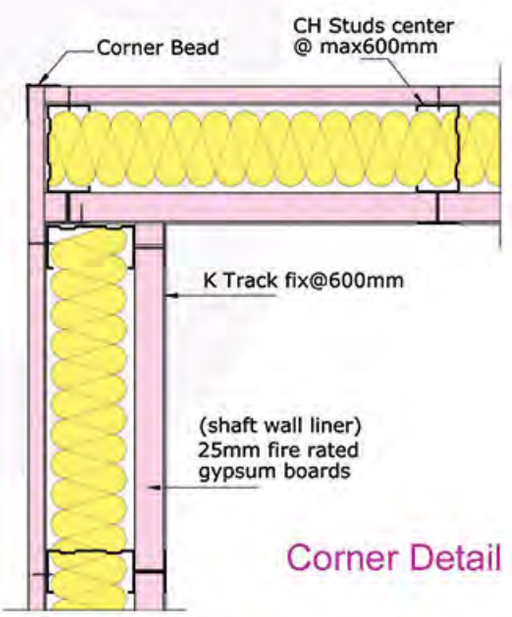
1- The plasterboard joints are normally first taped with self-adhesive fibre tape .
2- 1st coat of Joint Filler applied. After the Joint Filler sets (usually within 90 minutes) apply 2 coats of Joint .
3- When the 2nd coat of Joint is completely dry (this usually takes 24 hours depending on site) sand it down with Vacuum Sanders to minimize the dust in building site. After sanding, the Taping and Joining can be painted in the same way as traditional plastering.
4- Corner beads or a metal tape will be applied to all external corners and then taped and jointed with a 3 coats process described above. and L bead will be applied on the bottom edge of boards

(See more details in page 45)





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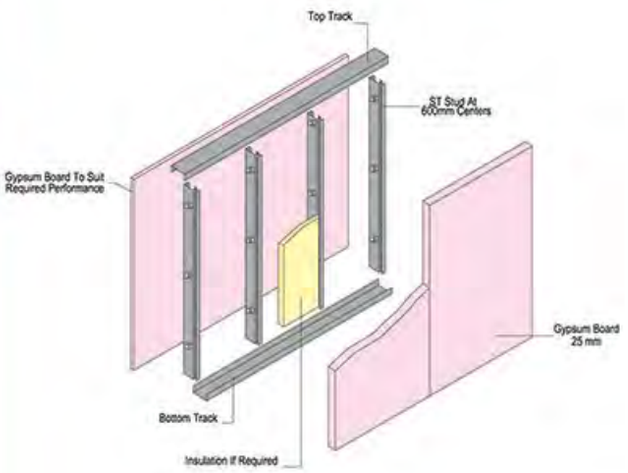
Corner Detail

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GENERAL APPLICATIONS

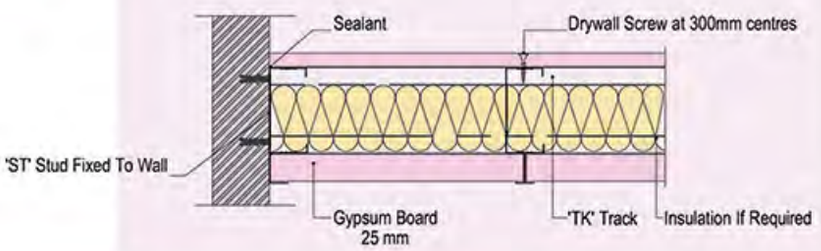
PARTITION DRY WALL SYSTEM



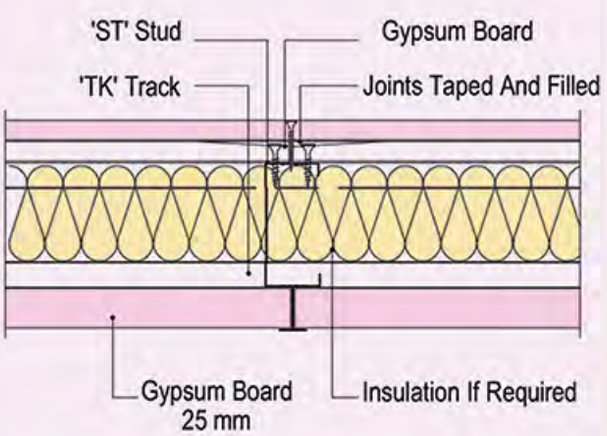


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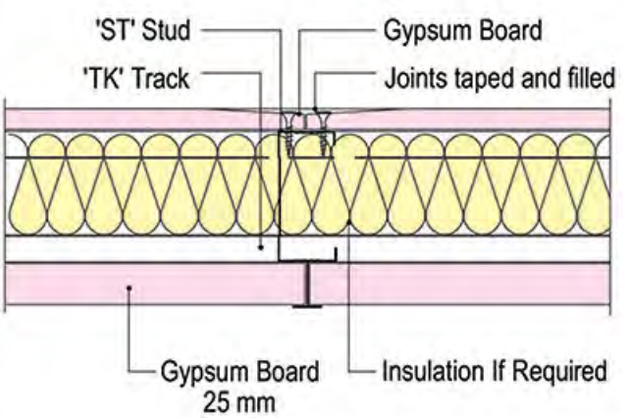
WALL ABUTMENT



"ST" STUD DOUBLE LAYER

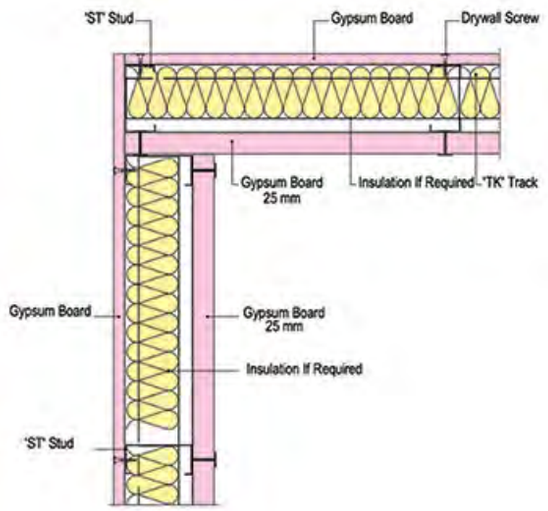


"ST" STUD SINGLE LAYER

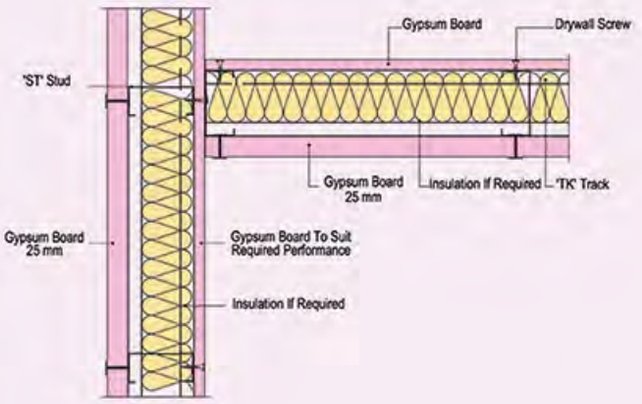


WALLS SYSTEM (ZW 300)

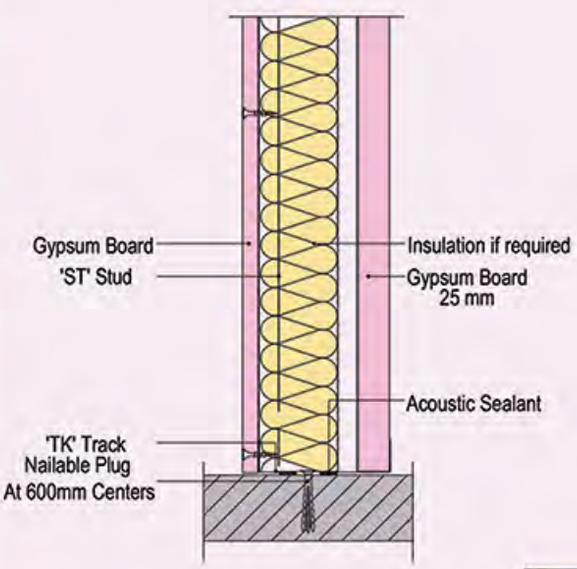
GENERAL APPLICATIONS



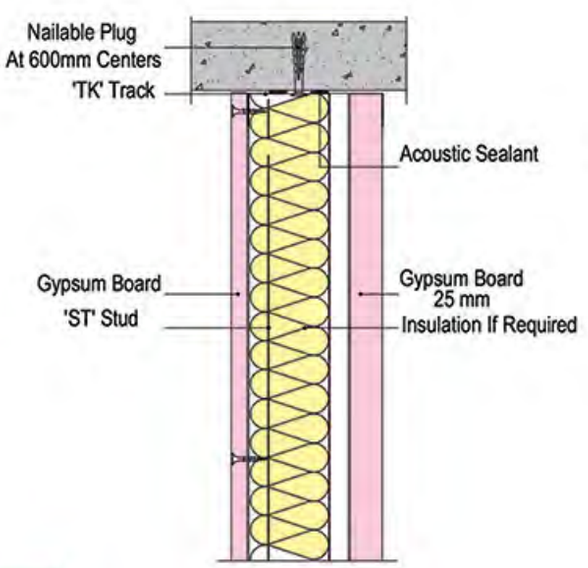
CORNER DETAILS



T - JUNCTION (SINGLE LAYER)



FLOOR TRACK



HEAD TRACK



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