Drywalls Cladding Systems

Independant Wall Lining

SYSTEM COMPONENTS ASSEMBLY & FINISHING



SYSTEM (ZL 2000)

BRINGING PLASTERBOARD TO LIFE

WE ARE THE PIONEERS ... WE ARE THE BEST



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WALLS & CEILINGS PROFESSIONALS

INSTALLATION of (ZL200) system

Installation

* Cladding layouts should be marked accurately.
* Always check individual measurements against overall site dimensions.
* Align the top and bottom tracks of the cladding accurately according to the plan layout.
* Attach at ceiling and floor to structural elements. Use suitable fasteners for anchoring the cladding wall at the base and head.
* Locate fasteners at 50mm from each end and spaced at maximum 600mm centres along each track.

Framing Installation

* Install the track (TK) to structure at perimeter of lining run.
* Fix at 600mm centres using appropriate fixings.
* Allow for board depth when positioning and to achieve required cavity depth.
* Cut studs (ST) to be 5mm shorter than floor to ceiling height,
* located into perimeter track TK then install stud (ST) to be positioned at maximum 600mm centres for Board.

when the height more than the allowable heights of studs
as the schedule (depend on the width of studs) ,we must fix intersection track behind studs(Centers @ 800mm) and fixing with bracket support to the existing wall and the adjusting level process will become between track bracket and intersection track. Studs (ST.) maybe spliced and if necessary use track connector .

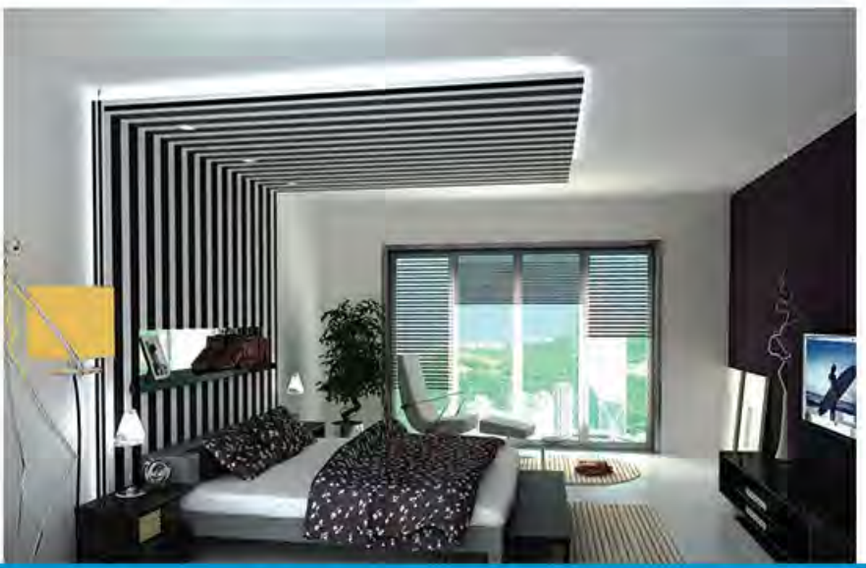
Boarding

* The Dry liner lining system is suitable for single, double and multiple layer boarding.
* Select base layer(s) and finishing layer(s)
* Boards to be 5mm less than floor to ceiling height.
* Board edges to be centred over Studs.
* Boards to be mechanically fixed to Studs and track at 300mm centres. using Board joints to be staggered between layers.

Over-height single layer boarding:

Where Wall height exceeds board height fix boards to continuous band of Metal Flat Strap behind all horizontal joints to maintain fire integrity.
Over-height multiple layer boarding only:
Where Wall height exceeds board height for double or multiple layer boarding fix outer layer of boards to continuous band of Metal Flat Strap behind all horizontal joints.

* Form movement control joints at maximum 10m intervals in the lining run.
* Form movement control joints where the lining crosses a structural movement joint.





Insulation

Any insulation to be of type and thickness to achieve performance and tightly installed in a continuous layer between brackets and behind channels.
Where insulation may be expected to slump suspend from Insulation Hold strips
150mm from top of Wall and at 1200mm
vertical centres. 10mm clear gap to 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 condition) sand it down with Vacuum Sanders to minimize the dust in building site. After sanding, the Taping and Jointing 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 drawing on page 45)

Caulking

Caulk all perimeter gaps in fire rated walls with fire Sealant.

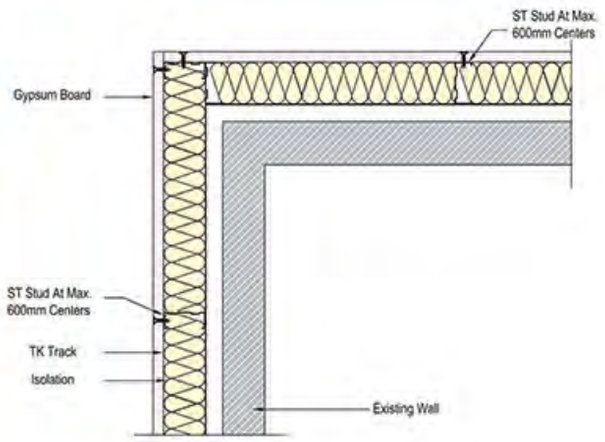


Environment Friendly Products

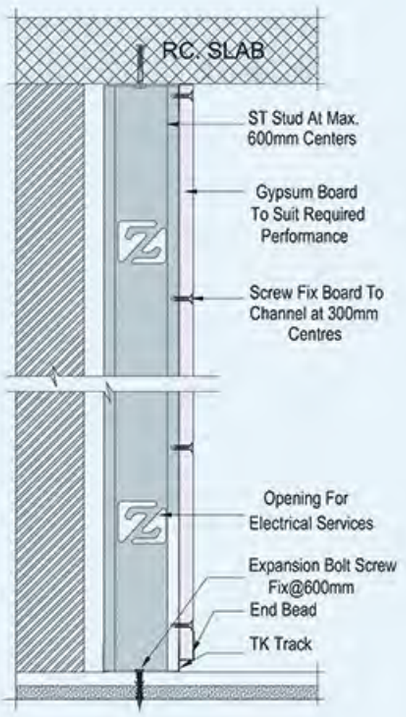
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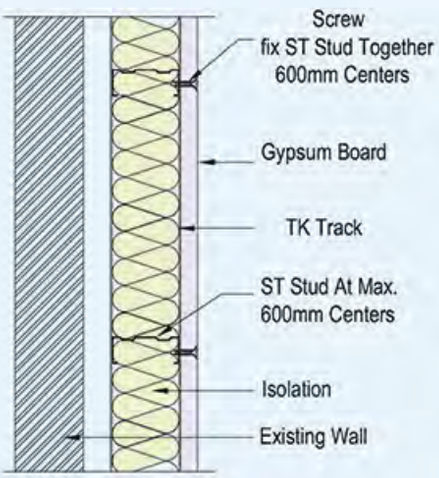
GENERAL DETAILS



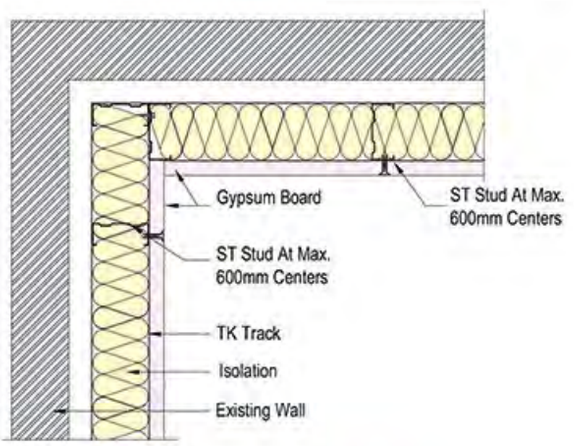
Outside Corner Detail



Section Details ZL 200



Plan Detail



Inside Corner Detail



Material:

ALZAHABIA, profiles are fabricated from hot-dipped galvanized steel complying with ASTM A653, and ASTM A1003. Grade 33 Type H for 33 ksi yield strength steel with a minimum.
G40 coating complying with ASTM A924.
(other coatings are available up to G90 upon client request).

- Minimum Thickness represents 95% of the design thickness, and is the minimum acceptable thickness of the base steel delivered to the work site.

Fire Rresistance:

Golden Metal profiles are manufactured of non-combustible components; these systems offer a wide range of fire resistance ratings to meet design requirements. Comply with ASTM E119 (Tec Office)

Visual Tests:

All our drywall lining sections are conforming to ASTM C645.

Economical:

Low material costs, dry construction and speed of installation achieve realistic and competitive construction costs.

Sound Isolation:

Available ratings range up to STC 64, as achieved in acoustic tests (Tec Office). Comparable field performance depends on building design and careful attention to detailing and workmanship. It is important that the full perimeter of the wall lining be sealed with an approved flexible acoustic sealant, as well as all penetrations.

HRC High Recysled Contents:

Steel contains 85 % (post-consumer 75% & pre consumer 10%) and the rest is virgin iron metal in the form of DR/HBI. 70-75 % of scrap used delivered from international suppliers. 25-30 % from local suppliers. (collected from Cairo, Delta, Port Saied, Suez, and Alexandria).

Limitations:

- Fire-rated systems must be installed strictly in accordance with each test specification and opinion.
- Maximum stud spacing is 600mm.
- The maximum heights for interior Wall Lining framed depends on, the strength of the steel studs and the Gypsum drywall acting together.
- Components must not be used if fractured or damaged.
- Control joints should be provided in long continuous runs of Wall Lining at 12 metre centres maximum, and wherever structural expansion joints are located.





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