Internal Stabling - Ideal for use in Existing Buildings

A full range of Internal Stabling Panels are available from ***Saltire Stables***. They offer the chance to provide secure and attractive stabling within an existing building or can be included with one of our integral barn systems. In many cases older buildings may be redundant from previous uses and surplus to requirements so internal stabling can offer a new lease of life.

You are obviously confined by the existing structure but assuming that it is sufficiently tall and generally large enough to be divided our flexible bespoke manufacturing methods enable us to optimise the room available and create stalls with modern standards of performance and space without affecting the external facades. Of course you can purpose build a larger structure with the internals as an integral part of the building. If you are interested in taking this approach, make sure you look at our Canadian Barn systems.

Our range covers a full spectrum of options in terms of price and application. All offer good value for money but these days budgets are an important consideration and as such we can offer an effective low-cost solution to your needs with the ***OCHIL***. The most popular range to date has been our medium priced option - the very attractive ***PENTLAND*** model. We can also offer a superb range of steel framed internal stabling - the ***CUILLIN*** model. Locally manufactured, rugged, durable and designed for many years of hard work.

Fronts and partitions / ends are shown on the price lists in 3.0, 3.6, and 4.2m sections (10', 12' and 14') purely for costing purposes. We actually manufacture every internal to order and as such we can accommodate just about any need - if the fronts need to fit into a space of say 11'2-3/4" - then that is the size we will make it! We can also allow for falls in existing floors and offer complete flexibility in terms of grill location, door handing and location of swivel feeders.

When assessing your structure, the main point to consider (apart from is it big and tall enough) is whether we will have good areas to get fixings to. We can usually get some kind of a fixing into a wall somewhere as long as it isn't solid granite! However we do encounter problems where floors are not concrete. In older barns they often used either stones or square setts or cobbles as a base. In many respects these are ideal for a stable floor as they are hard wearing and allow drainage and therefore we would rarely recommend totally digging them up but we would suggest laying concrete about 125mm (5") wide along the line of the fronts / partitions to enable us to get fixings down.

The biggest problem converting older structures is usually the restricted access widths and heights of corridors. Careful consideration needs to be given to this as the costs of raising lintels or widening doors can prove to be prohibitive. We should point out that steel framed panels are very hard to trim and amend, and as such, they are probably best used in new or fully refurbished buildings with level sound floors and walls.

Ochil Model

The ***OCHIL*** is the introductory model in our range and is ideal for anyone on a tight budget. Framed in 3 x 2 nom structural CLS (38 x 63mm fin) exactly like our looseboxes, it has a double top rail and pressure treated bottom rail for long life. This model has a 2.1m entry height. The lower 1.2m (4') uses our tough attractive 11mm exterior OSB Sterling Board for kicklining and the exteriors are vertical pressure treated softwood. The upper portion has 50 x 50mm galvanised weldmesh on one side of the timber studs. In the interests of economy, frame protection strips are shown as an option and the doors use a normal padbolt.

PENTLAND model

This is our most popular model as it has a very competitive price, offers excellent value for money, is strong, durable and attractive. The structural framing is upgraded to 4 x 2 nom CLS (38 x 89mm fin) again with a pressure treated bottom rail but an enhanced 2.4m entry height. Internally it has full height lining in OSB Sterling board but upgraded to 18mm. Other materials are also an option.

We create an open atmosphere by utilising a combination of fully galvanised steel grills with 12mm solid bars at 63mm centres. With widths of 1.067 and 1.82m (42 & 72") and a height of 762mm (30") these are combined to suit exact customer demands. Doors include autolok bolts and all entrances and exposed edges and door jambs have steel anti crib protectors.

We have found that many customers have overstained the external weatherboarding with a good quality dark stain to great effect, especially when contrasting the bright galvanising of the steelwork.

OPTIONS

A wide range of options are available for both models, but the most popular options relate to the provision of swivel feeders, antiweave grills and upgrading the internal lining with 15mm rubber wallmat or galvanised steel sheet.

CUILLIN Model

The ***CUILLIN*** model is a new range of internal stabling, augmenting the economy ***Ochil*** range and the very popular ***Pentland*** model. They are locally manufactured to exacting standards, following extensive research in both the UK and Europe as to what customers demand.

Our experience tells us that our customer base is looking for a panel that is durable, tough and attractive to look at whilst being practical in operation. The result is our ***CUILLIN*** range. The panels are 2.2m (86.5") tall to fit the vast majority of buildings whilst giving a good entry height. The lengths are bespoke manufactured to customer requirement but are based on a 3.6m length as standard.

A word should be made here of our concern regarding specifying steel internals. Many structures we convert are old sheds and steadings, and as such with a timber frame system, adjustments to angles and heights are straightforward. However steelwork when fabricated and galvanised is an exact product and aside from a few shims, hard to adjust. Accordingly steel framed panels are aimed at new or well refurbished locations where the walls and floors are sound and at 90 degrees to each other.

By the same token, if having to fit within two walls, care should be taken in gaining the exact width as the panels will be made to this size - and cannot be altered at a later date. For your guidance we would tend to make the panels 18mm less than the internal space given so the last panel has room to slot in and a plywood packer would be added once in situ. Our ***CUILLIN*** range uses a 50 x 50mm steel corner post at each panel joint to make for simple bolting meaning self erection is an option.

The actual channel uses turned and rolled 1.6mm steel, 60 x 60mm section in order to take 28mm infills. The verticals are upgraded to 3mm steel and the vertical tubes are 1.6mm x 25mm steel, set at 63mm centres for a bright and airy appearance. We then hot dip galvanise the panels to British & International standards BS EN ISO 1461 to ensure a long and maintenance free life.

The panels are attractively manufactured with heavy duty durable double locking bars on hinged doors and an automatic lock mechanism on the sliding doors. The actual doors come with an open top as standard, but can also have an angled antiweave bar added at time of order. This can be upgraded to a solid barred upper at the time of order or you can purchase a Y shape antiweave infill which does the same job. We can also offer haynet access hatches, swivel feeders and opening upper panels for hayrake access.

The infills give you a choice of options. Formed from solid material, 28mm thick with an interlocking tongue and groove profile, we offer brown colour recycled plastic as standard together with CCA pressure treated softwood. The plastic is available in grey, green or black as an extra cost option, but the standard brown offers a traditional quality appearance with a nice contrast to the galvanising. The boards use recycled plastic as their source (predominantly lemonade bottles!) and are very tough and maintenance free.

Swedish softwood is pressure treated for a long life and is a more economic option. Slightly less durable than the plastic, it can be overstained to a wide range of colours for a classic appearance.

We currently have problems in sourcing a consistent supply of a durable hardwood infill option. Our concern is that we have no control over these tropical hardwoods regarding environmental and labour management concerns and that the lack of FSC certification adds to that concern. We can source material but only on specific customer request.

SIMPLE INTERNAL STABLE COMPARISON CHART

	Ochil	***Pentland***	***Cuillin***
Panel Height	2.1m panel height (84")	2.4m panel height (96")	2.2m panel height (86.5")
Framework	50 x 75 nom CLS timber	50 x 100 nom CLS timber	3mm steel galvanised
Lower Partition Panel	11mm OSB	18mm OSB	28mm plastic or softwood
Upper Panel	50x50mm weldmesh	12mm steel grill bars	25mm integral steel Tubes
Doors	Standard Tay bottom	Clyde style bottom or sliding door option	Steel framed, hinged or sliding
Door Jamb Protection	optional	standard	Not required as steel frame