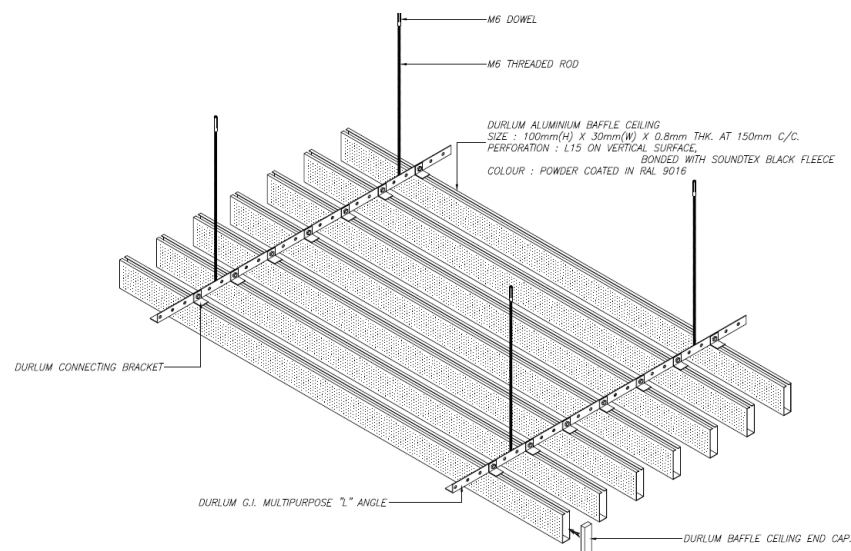


## Yuryo - Vertical Linear Baffle Ceiling



### 1.0) **BQ Description**

To supply and install vertical linear baffle ceiling made out of Aluminum. The baffle units shall be in size of 100 x 50 x 100 x 1.2mm (thk), non-perforated. The ceiling baffle units shall be installed at distance of 500mm – 600mm in one direction. The baffle units are then attached to C-channel carriers spaced at 1200mm c.c. The C-channel carriers are then cross connected to perforated L- angle primary grid and suspended, with M6 threaded rod hangers spaced 1200mm c.c.

Finishes of ceiling planks : Wooden (Oak) PPC coat finish, minimum 60 microns paint thickness.

## 2.0) **Suspension Grid – Horizontal support profiles**

- 2.1) All vertical linear baffles are hook onto a c-channels carriers through baffle hanger clips. A primary grid of perforated L-angle in 30x30x1.0mm thick galvanized steel known as U1040 is installed perpendicularly to C-channel carrier at maximum centers of 1200mm, and suspended with M6 threaded rod and expansion bolts through hanging brackets at 1200mm c.c.
- 2.2) Distance between suspension rods : maximum 1200mm
- 2.3) Distance between primary grids : maximum 1200mm
- 2.4) Minimum ceiling headroom : 50mm + height of baffle units.

## 3.0) **Suspension Hangers**

- 3.1) Suspension rods: 3mm diameter straighten G.I. Rods with chrome plated adjustment clips @1200mm c.c.
- 3.2) Suspension threaded rods: 6mm diameter galvanized steel threaded rods with expansion boltss @1200mm c.c.
- 3.3) Suspension angles: 30x30mm perforated G.I. Angles type U1040

## 4.0) **Colour of Metal Panels**

All ceiling panels are to be PPC coated to selected Wooden (Oak) Finish, smooth finish and a minimum of 60 microns thick. Gloss level to be 20-25% measured at 60 degree.

ASTM D2277-94, Testing Water resistance of 100% relative humidity.

ASTM B117, Salt Spray (fog) test 500 hours on powder coated aluminium and galvanized steel sheet.

ISO 2409, paint and vanishes, cross cut test on powder coated aluminium and galvanized steel sheet.

## 5.0) **Fire Performance**

Metal ceiling panels are tested for Fire Propagation and Spread of Flame under BS476 Part 6 and 7.

The best classification achieved by both parts combined will mean the material has a "Class 'O' fire protection surface.

Metal Ceiling are tested under Warrington Fire Research Centre Test Certificate No:57175 & 57175 for GMS material and Test Certificate No: 117203 & 117202 for aluminium.

#### **6.0) Manufacturing Tolerances**

Metal Ceiling Panels and Suspension to be used as a proprietary system from a single source manufacturer shall produce in accordance to metal ceiling industry standard TAIM ( Technical Working Group of Industrial Metal Ceiling Manufacturers)

Panels tolerances according to TAIM Standard:

#### **7.0) Quality Assurance**

Metal Ceiling products are manufactured in accordance to ISO 9001-2000 certification process.

Manufacturer quality:                ISO 9001 certificates

#### **8.0) Maintenance**

The following work should be carried out on a regular basis in order to keep the suspended ceiling in good condition.

Cleaning Ceiling tiles, grid, perimeter trims, etc can be cleaned with a soft cloth or sponge and a mild detergent.  
Subsequently wipe dry with a soft dry clean cloth.

#### **9.0) Spares and replacements**

Whole or part areas of ceiling can be removed by skilled ceiling fixers, for major access into void above or    relocation of components.

Spares can be obtained from Kinwick Engineering Limited or Authorized Agents