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ROLLFORMING - Sections for Building Interiors

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Chief Executive
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In this sixth sense of continuing articles on ROLLFORMING we will discuss about the various types of Rollformed Sections used for Building Interiors. In fact there are thousands of different types of space-saving, labour-saving, modular type rollformed sections being constantly introduced in this area almost every year in different parts of the world. Only a few of the sections could be highlighted in this article. They could be broadly classified into four main categories. They are 1. False Ceiling Gypsum Board Supporting Sections 2. False Ceiling Supporting Grid Sections to take standard tiles for acoustic control, heating and ventilation/airconditioning applications 3. Linear Metal Ceiling Systems 4. Office Partition Sections. With the ever increasing offices for software companies and BPO's the need for aesthetic looking offices-interiors is bound to increase tremendously in coming years in India. Several types of ceiling systems are being introduced on a regular basis. To give an example already for new Indian Oil petrol station proven Linear Metal Ceiling Systems are commonly used these days. We will now enumerate a few of the sections used in each of these categories.

1. False Ceiling Gypsum Board Supporting Sections: These are the traditional and widely used sections for suspended Gypsum board ceilings. The sections are shown in Fig1 (Furring Profiles), Fig2 (Primary Profile/Inter-main Channels), Fig3 (Wall Peri Profile), Fig4 (Ceiling Peri Profile/Perimeter angle). Here the Furring profiles are knurled on the outside to prevent screw "ride" when attaching gypsum wallboard. Gypsum Boards have the additional quality of being fire resistant.

2. False Ceiling Supporting Grid Sections: To take standard tiles for acoustic control, heating and ventilation/airconditioning applications. These sections have come to India fairly recently. This system provides a simple, attractive support grid for any size of room. Support for the ceiling board is by a series of interlocking main runner tees and interlocking cross tees. The exposed part of the system is an aluminium capping painted either white or any other colour. This capping is highly corrosive resistant and provides a long lasting, high quality appearance. The Sections shown in Fig5 are used for main runner tees and the sections in Fig6 are used for interlocking cross tees. The capping as shown in Fig5&6 is formed together with the main runner or cross tees.

3. Linear Metal Ceiling System: This system is comparatively a recent trend and is getting more and more popular. Here the sections are made of rollformed stove enameled/prepainted aluminium / steel panels which are clipped on to special carrier sections in a simple manner. They are used in hospitals, offices, laboratories restaurants, shops, show-rooms, air-ports, petrol stations etc. The special suspension system makes it possible to level the ceiling quickly and accurately. The sections shown in Fig7 are used as square edged linear panels. Fig8 shows round edged linear panels.

4. Office Partition/Workstation Sections: These are shown in Fig9 and Fig10. Fig9 is the Track section and they are used to anchor the partition at floor. These sections are manufactured to receive the corresponding size of studs(Fig10) with an overbend for a friction fit. Outer flanges are knurled to prevent screw ride and to expedite attachment of gypsum wallboard. In addition to these there are other types of Partition/Workstation sections in use as shown in fig11 to Fig15. There are still many more types in use. The author Mr A S Shetty is the chief executive of Sedvik Industries and he is also the Honorary Editor of this publication. We are getting lots of letter from our readers regarding the continued article on Roll Forming. If any of our new readers require the old copies or if you have any of your queries you can reach him at 080-25452952 or you can email to him at sedvik@vsnl.net or at info@haritha.net.

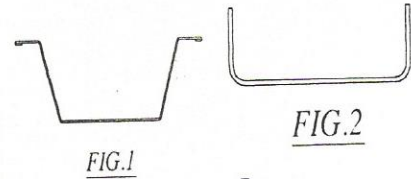


FIG.1

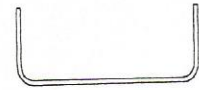


FIG.2

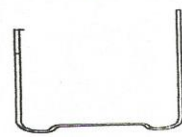


FIG.3



FIG.4

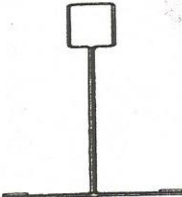


FIG.5

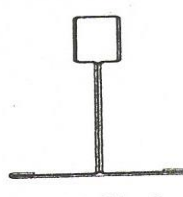


FIG.6



FIG.7

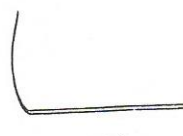


FIG.8

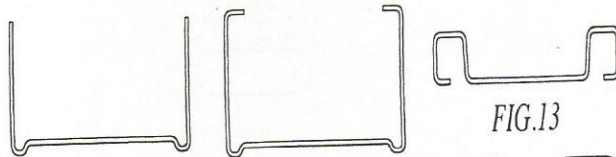


FIG.9

FIG.10

FIG.13



FIG.11

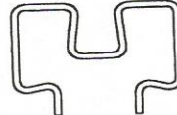


FIG.14

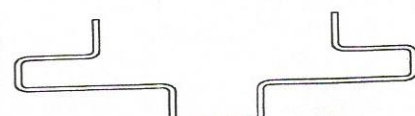


FIG.12

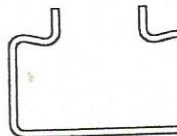


FIG.15

ROLL FORMING MACHINES

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