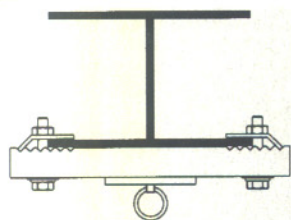


Attaching To Structures

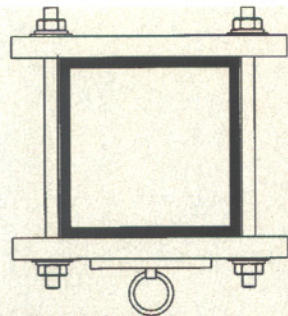
NO ROOM FOR ERROR

Similar to searchlights, loudspeakers must be aimed to be effective. And, in order to cover an audience area effectively while keeping the speakers' coverage pattern away from reflective surfaces (such as walls and ceilings), it is usually best to raise speakers above the audience members' heads. Though placing speakers on poles or risers may provide adequate elevation in some situations, many others call for the speakers to be "flown," or suspended from the building structure.

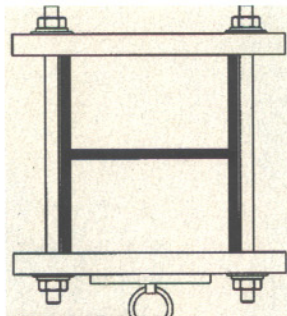
by Andrew T. Martin



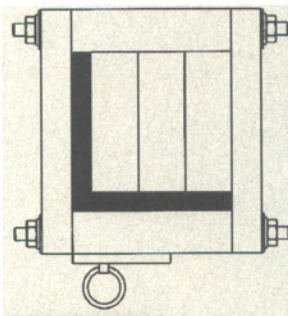
I-Beam



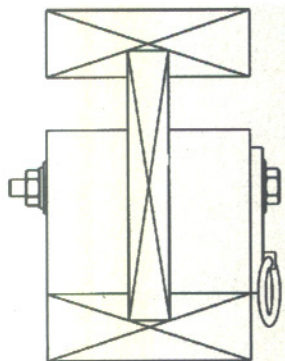
H-Beam



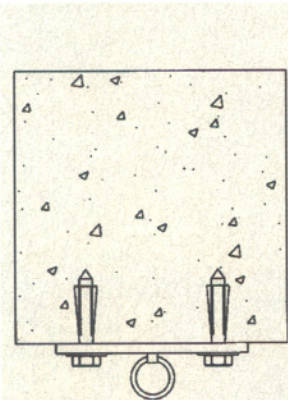
Box-Beam



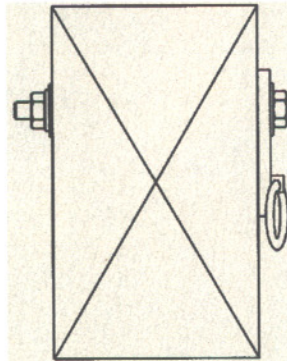
Angle-Beam



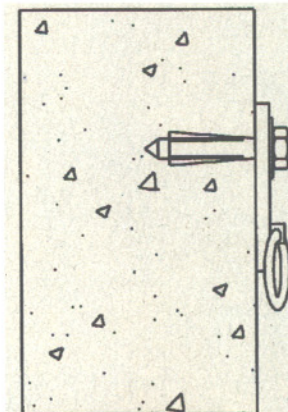
Wood-Truss



Concrete-Ceiling



Wood-Beam



Concrete-Beam

The most common methods of attaching to structures for the purposes of suspending an object.