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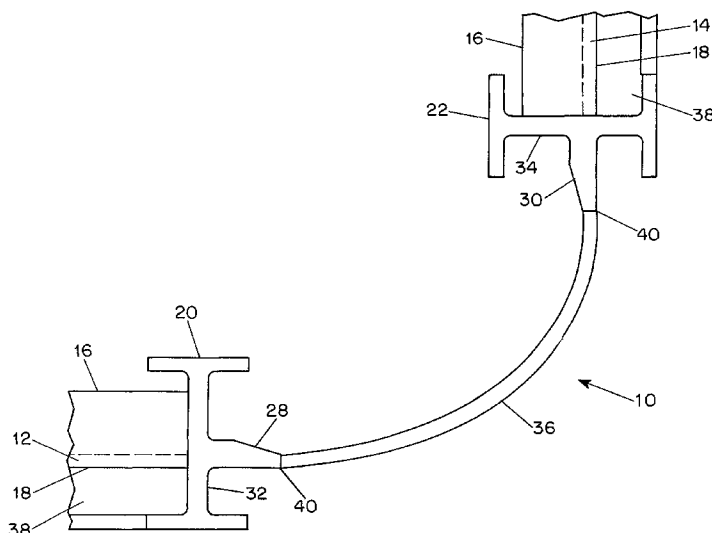
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(54) Title: VERTICAL CORNER TRANSITION ARRANGEMENT FOR SEMI-MEMBRANE TANK



(57) Abstract: In the vertical corner transition arrangement (10) for semi-membrane tanks disclosed in the specification, curved horizontal side plates (16) of a semi-membrane tank wall (12,14) are welded to one side of a vertical extruded aluminium modified I-beam (20,22) with a vertical tapered stiffening corner block projection (28,30) on the opposite side of the extruded aluminium I-beam (20,22), and the edge of a vertical unstiffened curved cylinder section (36) is butt-welded to the projecting edge (40) of the vertical tapered stiffening corner block (28). The curved plates (16) of an orthogonally oriented semi-membrane tank wall (12,14) are welded to one side of another vertical extruded I-beam member (20,22) having a projecting vertical tapered stiffening corner block (28,30) welded to the opposite side with a projecting edge (40) which is welded to the opposite edge of the vertical stiffened curved cylinder section (36) to complete the corner of the tank.



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