

Advanced Structural Base Under-frame with Interior Finished Floor (SBUWFF)

STRUCTURAL STEEL BASE WITH INTERIOR FINISH FLOOR:

A base underframe with interior finished floor shall be provided and designed to support the installed equipment specified. The floor structure shall be rated for a minimum distributed load of no less than 200 lbs/ft² and reinforced as required to support equipment loading requirements. The underframe assembly shall consist of structural or formed steel channel or I-beams welded together to form the outer perimeter of the sub-frame. Structural or formed steel crossmembers shall be installed and welded on nominal 16 inch centers to create a welded steel support structure for internal equipment installation and distributed load support. The top deck interior shall consist of a minimum 3/16" diamond steel deck plate mechanically fastened to the underframe structure. Seams of the the interior deck plate shall be solid seam welded their entire width. Tack welded or caulked seams will not be allowed. Vibration isolator mounts shall be each located above a frame member and securely welded to the top plate to ensure adequate load support. Isolator mounting plates are to be 1" thick steel plate, tapped for isolator bolting. The entire steel frame, interior floor and underframe shall be coated with a wear resistant, high quality anti-corrosive material and top coat.