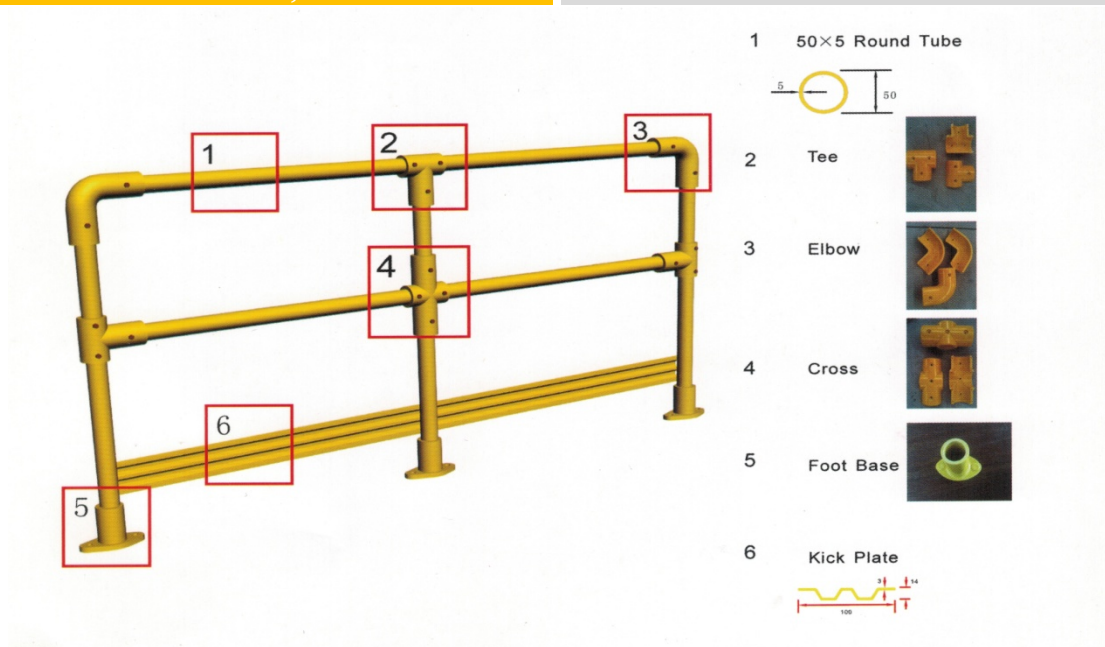


Round Tube Handrail System

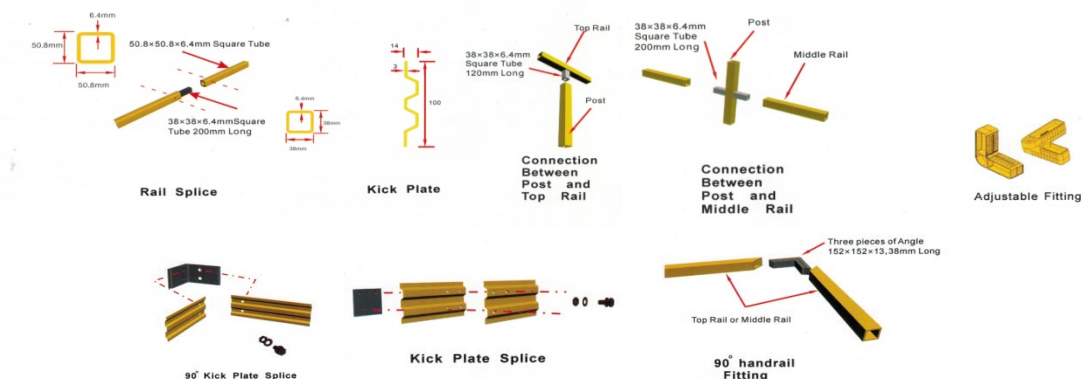
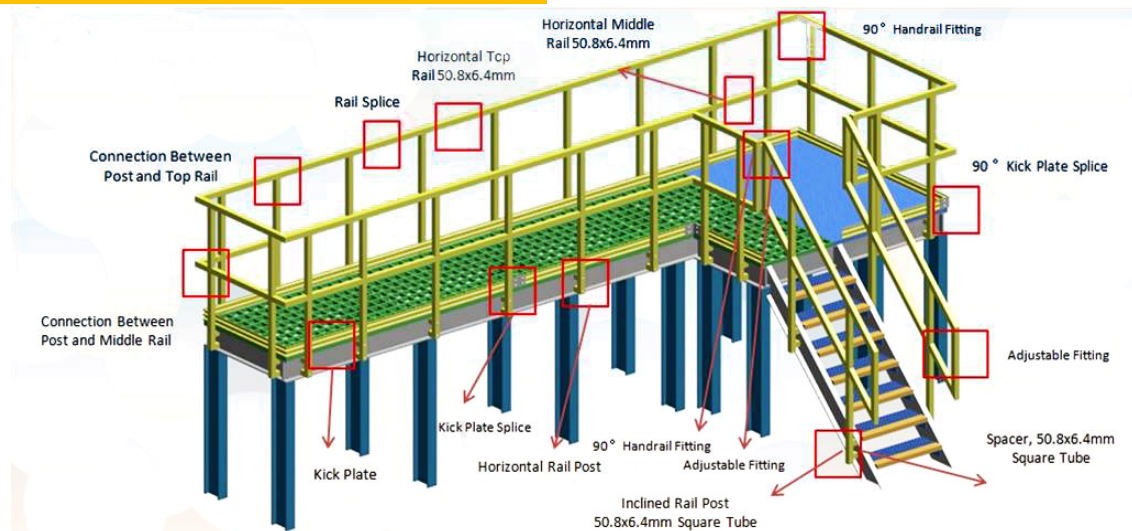
Description	Dimensions
Distance between Post	1500mm as a maximum
Height of Handrail	1220mm as a maximum
Handrail Post, Round Tube	50x5mm
Handrail Top Rail, Round Tube	50x5mm
Handrail Middle Rail, Round Tube	50x5mm
Kick Plate	101x14x3mm
Kick Plate Splice	45mm wide x 10mm long x 6mm thick
Elbow, BMC	
Tee, BMC	
Cross, BMC	
Foot Base, BMC	
Screws, M5 x 75	2 for Elbow, 2 for Tee, 3 for Cross
Anchor Bolt, M6 x 90	2 Bolts for Foot Base



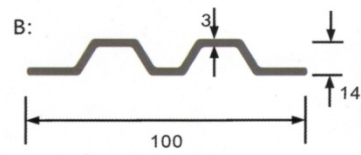
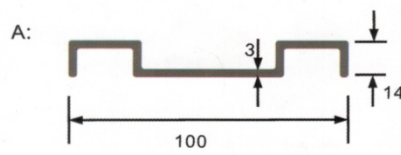
Square Tube Handrail System

Both horizontal or incline posts and rails are permanently joined using rivets and an epoxy compound

Description	Dimensions
Distance between Post	1500mm as a maximum
Height of Handrail	1220mm as a maximum
Horizontal Post, Square Tube	50x50x6.4mm
Incline Post, Square Tube	50x50x6.4mm
Top Rail, Square Tube	50x50x6.4mm
Middle Rail, Square Tube	50x50x6.4mm
Top and Middle Rail Splice, Square Tube	38x38x6.4mm, 200mm long
Connection between Post and Top Rail, Square Tube	38x38x6.4mm, 120mm long
Connection between Post and Middle Rail, Square Tube	38x38x6.4mm, 200mm long
Kick Plate	100x14x3mm
Kick Plate splice, Plate	45mm wide x 101mm long x 6mm thick
90° Kick Plate Splice, Angle	54x29x6.4mm
90° Handrail Fitting	3 pcs of 152x152x13mm FRP angle, 38mm long
Adjustable Handrail Fitting Plastic	39° to 180°
Rivet for Rail to Post and Kick Plate to Post Fitting	4x20mm
Space Material, Square Tube	50x50x6.4mm

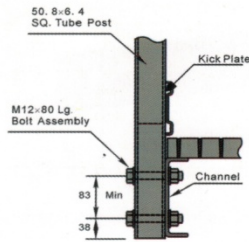


Kick Plate

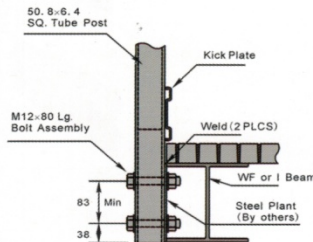


Unit: mm

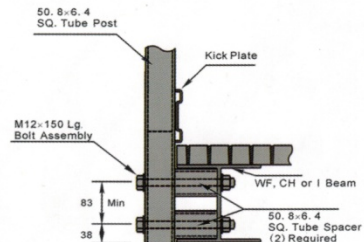
Drawing A-Post to FRP or Steel Channel



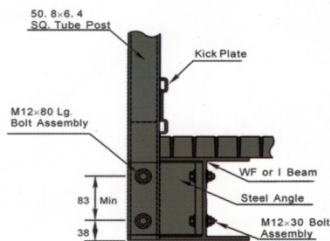
Drawing B-Post to Steel Plant on Steel Beam



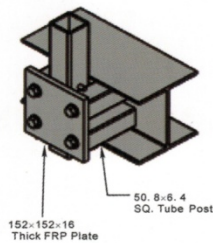
Drawing C-Post to FRP or Steel Beam or Channel with FRP Spacers



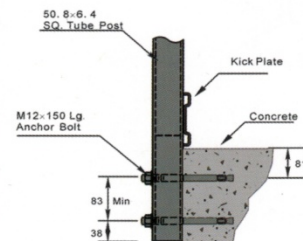
Drawing D-Post to Steel Angle on FRP or Steel Beam



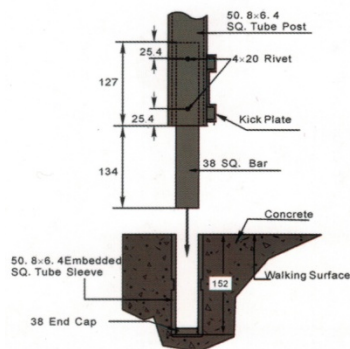
Drawing E-Removable Post to FRP or Steel Beam



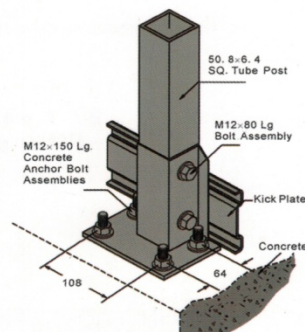
Drawing F-Side Mounted Post



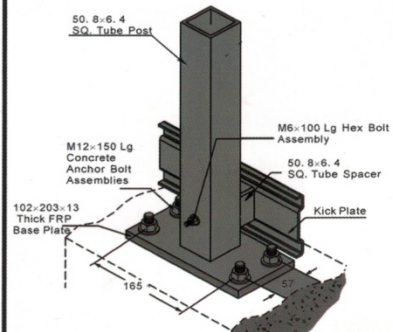
Drawing G-Embedded Post



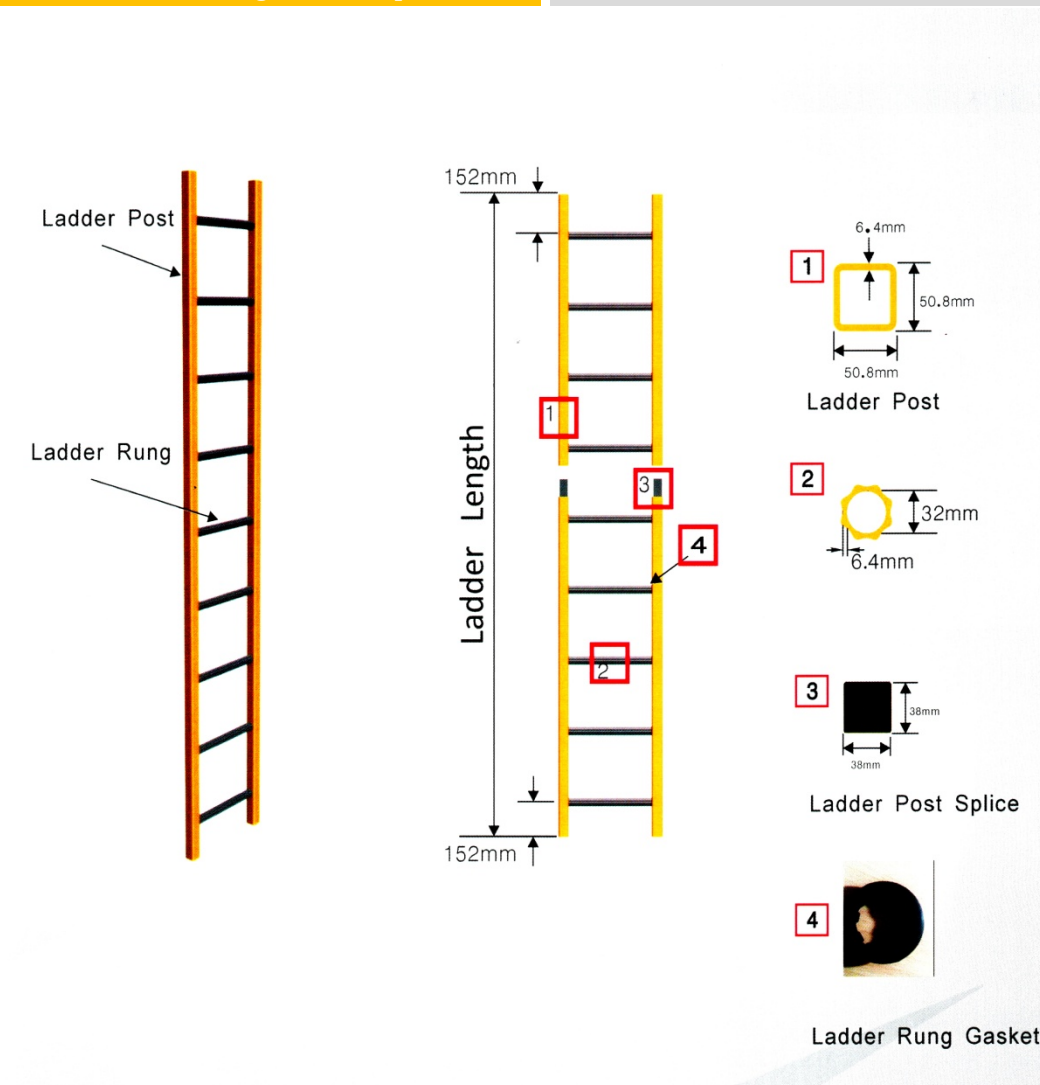
Drawing H-Top mount Stain-Less Steel Stanchion Base



Drawing I-Top Mount FRP Stanchion Base



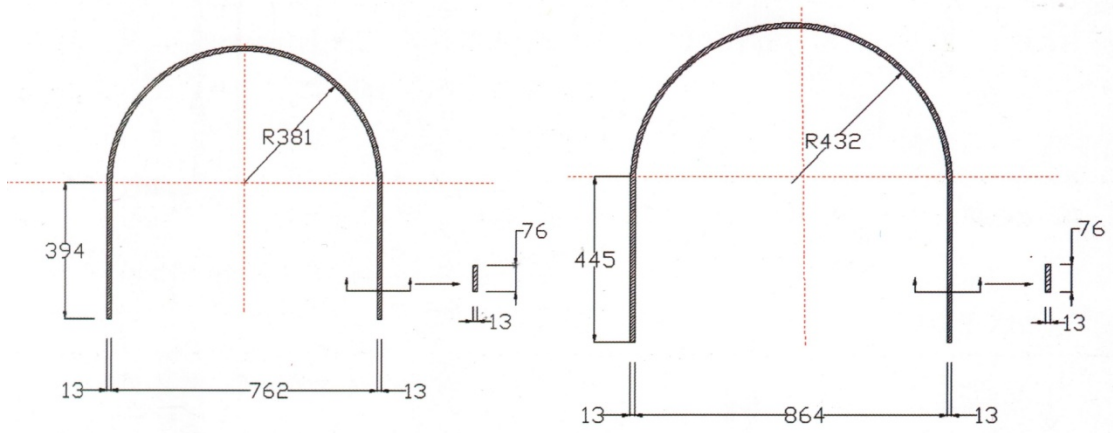
Description	Dimension
Maximum length without splice	7300mm
Ladder Post Splice, Solid square bar	38x38mm, 200mm long
Maximum ladder length with cage	10200mm
Outside width (outside rail to rail)	500mm
Rung spacing (center to center)	300mm
Outside diameter of rung, fluted tube	32mm
Wall thickness of rung	6.4mm
Ladder post square tube	50.8x50.8x6.4mm
Ladder rung gasket	Black rubber
Rivet to fix rungs to ladder post	4x20mm



Cage

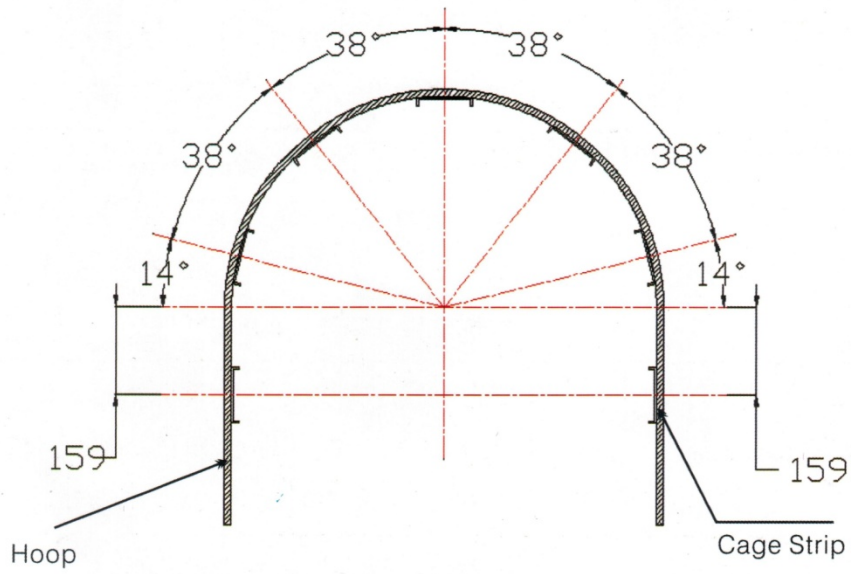
Product	Description
Top/Intermediate Ladder Hoop	76mm wide x 13mm thick, hand lay-up with predrilled holes (with necessary bolt assemblies)
Bottom Ladder Hoop	76mm wide x 13mm thick, hand lay-up with predrilled holes (with necessary bolt assemblies)
Hoop Bracket	75x140mm, 10mm thick, U Shape. Predrilled holes (with necessary bolt assemblies)
Cage Strip	C Channel, 50x14x3mm, made by pultrusion
Bottom Wall Mount Bracket	76x200x9.5mm angle, 457mm long, made by pultrusion. Two per set(with necessary bolt assemblies)
Wall Bracket	76x200x9.5mm angle, 152mm long, made by pultrusion. 180mm from wall to center of rung. Two per set(with necessary bolt assemblies)
Floor Mount	102x102x9.5mm angle, made by pultrusion. Two per set(with necessary bolt assemblies)
Foot Base Mount (Option)	Foot base made by BMC

(Unit:mm)



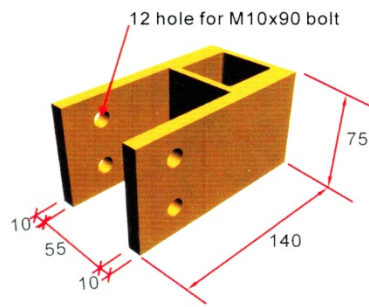
**Top/Intermediate
Ladder Hoop Detail**

**Bottom Ladder
Hoop Detail**

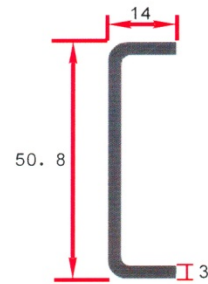


Cage Strip Location Plan

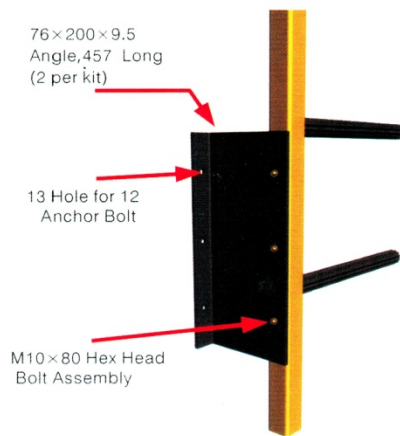
(Unit:mm)



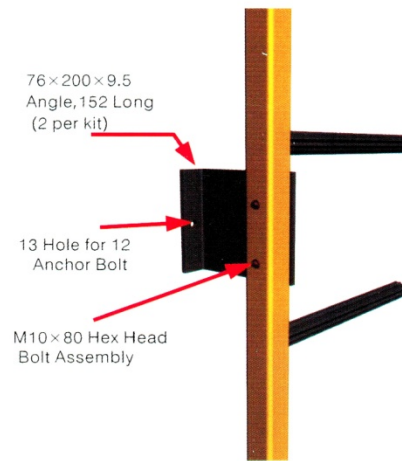
Hoop Bracket
10×75×140



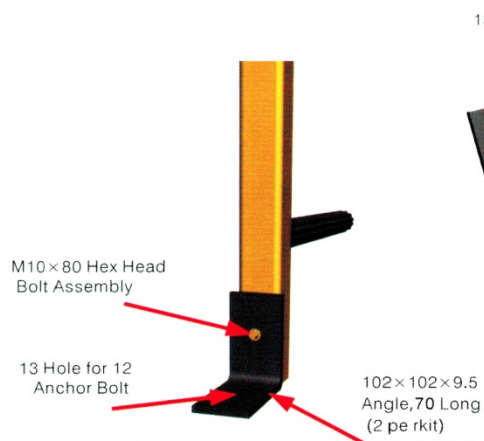
Cage Strip



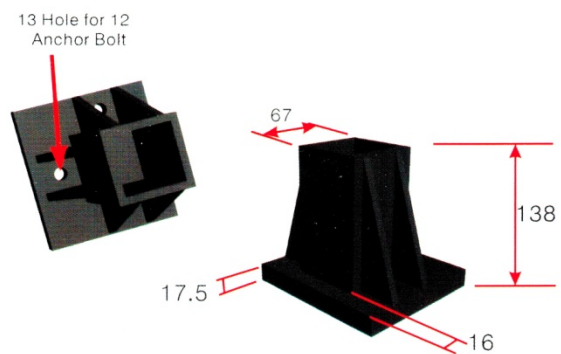
Bottom Wall Mount Bracket



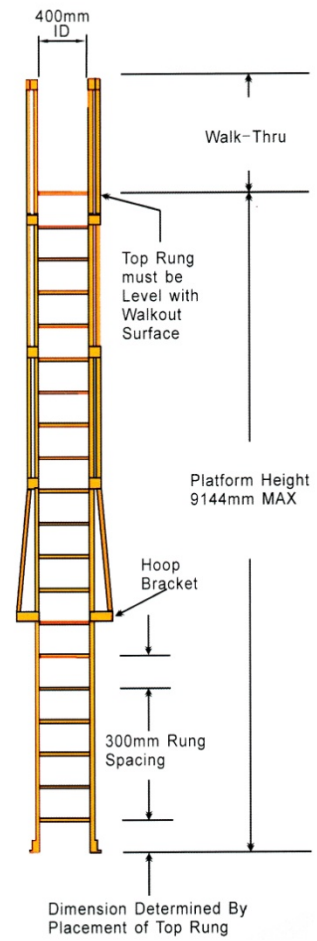
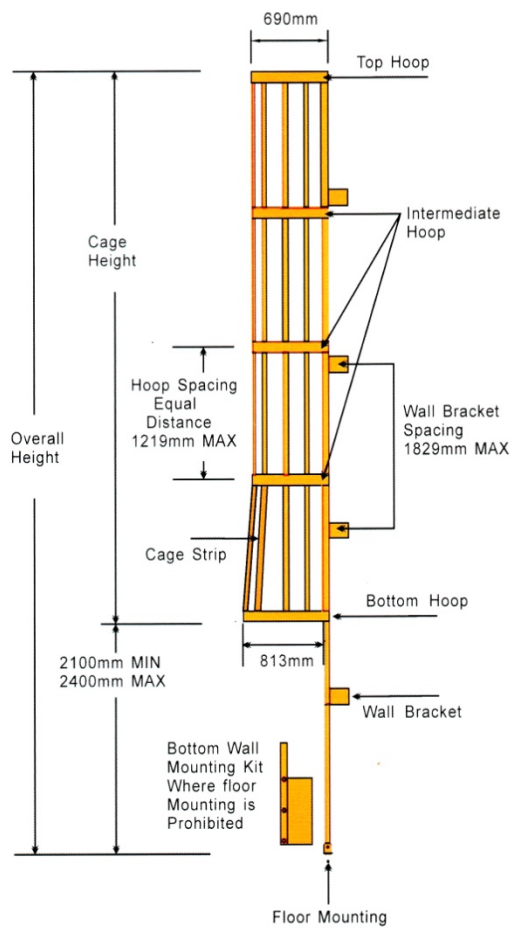
Wall Bracket



Floor Mount

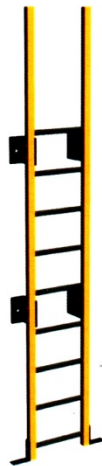


Option:Foot base for Floor Mount





Ladder



Ladder with 457mm Walk-thru



Ladder with 610mm Walk-thru



Ladder with Walk-thru and Handrail Connections to Floor



Ladder with Walk-thru and Handrail Connections

