

MEZZANINE/CATWALK INSTALLATION INSTRUCTIONS

- (1) Careful attention to details within the manual (*Notes on the Drawings take priority over notes within the Manual*) will save in installation time and reduce potential installation problems. Note the order of installation and installation **Start Point** on the drawing. All pieces have identification marks and are located on the drawing.
- (2) On Multi-Bay (Joist Bay) Systems in open areas, establish a reference line to work from. Once the first row of columns along a stringer line are in place, anchored, and plumb, successive rows of columns may be placed **But** anchored after framing is in place (Installer assumes full responsibility for prevention of column toppling-it is recommended that each column be anchored with one anchor to prevent toppling). Follow dimensions on drawing for column to column centerline and/or edge dimensions – if joist connections into hangers are pulled too tight, each bay may shrink ¼” due to joists cut ¼” short for tolerance purposes.
- (3) In confined applications, anchoring columns with one anchor initially may be advisable – some adjustment (1/4” – 3/4”) in framing connections may be made to follow the room’s perimeter contour.
- (4) When installing columns, note whether dimension lines on drawing are to column tube edge or centerline. Lay out chalk lines on slab to establish column locations. Anchor columns per installation detail in manual orientating column so its top will properly accept framing members.

Do Not substitute shorter or alternate type anchors without permission of Cubic Designs, Inc. Lateral stability may be affected if anchors are changed.

Plumb columns and torque anchor bolts (60 Foot Pounds) once structure is in place – use shims and grout as needed.

FREESTANDING

- (5) Place Stringers first into column tops to within 1/8" of corner or to centerline of straight column top – clamp and fasten using fasteners
- (6) as indicated within this manual.

Attach field applied hangers at locations indicated on the drawing – apply per details within this manual.

Drop joists into place and fasten per details within this manual – **Alternate direction of open and solid sides.** Exposed perimeter joists should have solid side facing out for appearance.

Equally space out rows of bridging per drawing and fasten to bottom of joists per details within this manual.

CATWALK

- (6) Fasten posts to shelf uprights as indicated on drawing and per details within this manual.

Fasten framing to shelf uprights per details within this manual. Use posts to establish elevation if posts are not indicated on drawing – set framing within channel atop posts if posts are indicated on the drawing and install per details within this manual. Note that solid side of framing should set against shelf upright.

Splice framing at shelf upright centerlines and fasten per detail within this manual.

Install joists using field applied hangers and/or aisle ties (channels at ends) at approximate spacings indicated on drawing. Install per details within this manual. Fasten bridging to joists if indicated on the drawing.

- (7) Place rail upright assemblies over framing (if side mount rail system) prior to installing roof deck or grating floor system. Position per centerline (Broken Line) or edge (Solid Line) dimension on deck drawing and install per details in this manual.
- (8) Place Kickplate under deck material and fasten down along with deck material per details within this manual.
- (9) Position rail uprights with base plates (If deck mounted rail system) at locations shown on the drawing. Orientate and install per details in this manual.
- (10) Install stairs and platforms per details within this manual.
- (11) Check that all anchors are tight and properly torqued, that all tek fasteners are in place, that all rail connections are tight, and that damaged paint areas are touched up with paint supplied.
- (12) Place load limit signs at visible locations where the maximum load is anticipated.