VIRGIN ISLANDS
RECOVERY AND
DEVELOPMENT AGENCY

BLEACHER SPECIFICATIONS

DESIGN

- The Bleachers must be constructed to an applicable building code such as the INTERNATIONAL BUILDING CODE (IBC), 2012 EDITION with the minimum design requirement below or similar

1. Live Loads:	Uniform loading - Structure = 100 psf Uniform loading - Seat and Foot plank = 120 plf
2. Sway Loads:	Perpendicular to seats = 10 plf Parallel to seats = 24 plf
3. Guardrail Loads:	Uniform vertical load = 100 plf Uniform horizontal load = 50 plf
4. *Wind Loads:	Concentrated horizontal load = 200 pounds Basic design wind speed = 150 mph (exposure “B) *Bleacher must be anchored to meet wind loads above

DIMENSION

- The bleachers should be aluminum and non-elevated consisting of;

1. 1 unit - 5 rows high x between a minimum length of 15’ to a maximum of 18’.
2. 2” aluminum angle understructure,
3. 2” x 10” anodized aluminum powder coated seat plank.
4. 8” vertical rise and 24” tread depth, Seat height is 17” above its respective tread
5. The foot plank should consist of an aluminum finish with;
    i. a single 2"x10" foot planks on rows 2 & 3 and
    ii. a double 2"x10" foot planks on rows 4 & 5.
    iii. The foot plank should consist of an aluminum finish with either;
6. The riser should consist of mill finish aluminum with mill finish end caps with;
    i. two (2) 1" x 6" top on top row
    ii. 1” x 6” on all other rows

AISLES

- The aisle footboards should be of aluminum alloy and be of mill finish with contrasting aisle markings. Three aisle stiffener angles shall be used to strengthen the aisle step. There shall be 1 aisle(s) 36' wide

SEATING

- The minimum net seating capacity of the bleacher should 42

GUARDRAIL

- The guard rails should be anodized aluminum tube with end plugs and elbows where required. All Rails should be secured to angle supports with galvanized fasteners. Top rails at sides, rear and front shall be 42” above the leading edge of seat or walking surfaces. Rear rail support members shall be aluminum channel, side and front rail support s shall be aluminum angle. The chain-link fencing shall consist of 9 gauge, 2” mesh galvanized chain-link fabric, heavy duty tension bands, tension bars, brace bands, combo rail endcaps, and wire ties.

BLEACHER ILLUSTRATION