Designed to 90mph, Exp B LEVA RECTANGULAR 17'-5" - LR53

Boom weight: 298 lb. Rated when umbrella is fully erected. Umbrella weight: 254 lb.

on variations in tensioning and fabrication Membrane dimensions differ, depending dimensions for the complete umbrella. All dimensions are nominal and have a tolerance Overall dimensions represent clearance

> before wind speeds must be closed and tied reach gusts of 60mph Note: The umbrellas Specification - Umbrella (100km/h) Refer note on

> > Powder coat finish BOOM *HSS5.500"

Standard color, white FABRIC, PVC PVDF coated

in closed position. Collar and arm

Powder coat finish POLE *HSS4.500"

PVC coated

CABLE S.S. Gr.316

powder coat finish ARM *HSS2.375"

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sag due to stretch of NOTE: Allow up to 2"

membrane fabric.

Arc of arm when opening

CLEARANCE FROM GROUND

8" 11' minimum 15'-2" minimum 17'-5" overall 1:-1:1 `6'-9' 13'-4" overall

12'-4" overall

powder coat finish Removed when open **ERECTION POLE**

stainless steel **LOCKING BOLT** (in opened position) powder coat finish COLLAR *HSS5.000" with S.S. fittings CABLE S.S. Gr.316

COLUMN *HSS5.500"

8"

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4'-11"

6'-7"

8'-2<u>"</u>

9'-10"

10'-7"

1'-6'

5'-10'

DISTANCE FROM CENTER

with $\emptyset 2\frac{3}{4}$ " service hole. BASE PLATE $11\frac{1}{2}$ " dia x $\frac{3}{4}$ " pl. *All HSS and Pipe to be fy=50 ksi min.

 $6-\frac{3}{4}$ " hold down bolts on $8\frac{5}{8}$ " B.C. F1554 Gr. 36 galvanized or stainless steel Gr.316

With dome nuts and leveling nuts.

OPENED POSITION

CLOSED POSITION

Leva - Model LR53 17'-5" Side Support Rectangular Umbrella View square to boom View square to arm

13'-1'

7'-5"

Leva Model LR53

Architectural Umbrellas



Figured dimensions take precedence. Do not scale.

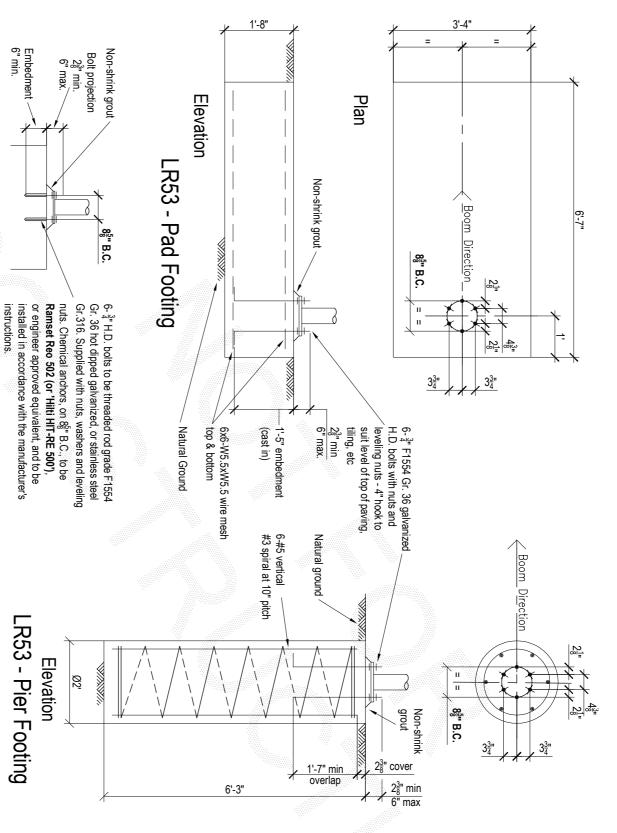
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Elevation

End Elevation

BIrdair Inc. | Engineering Framing

EF-LR53-07.10 sales@birdairumbrellas.com



Designed to 90mph, Exp B

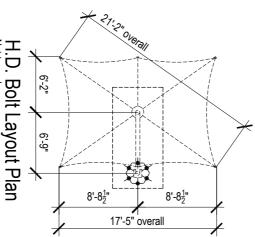
Pier - cu=7.25 psf (stiff clay) Pad - bearing capacity 14.5 psf Assumed soil conditions:

 $\frac{3}{4}$ " aggregate size Slump 2½" Concrete strength - fc 3600 psi Minimum 28 cover to all reinforcement

Anchor bolt location tolerances per

Australian Standard AS 4800-1998

- 3mm for anchor bolt centers within an anchor bolt group.
- 6mm for adjacent anchor bolt group centers.
- Maximum accumulation of 6mm per 30m not to exceed a total of 25mm
- 6mm from anchor bolt group center to column line center



Leva Model LR53

Not to scale

Chemical Anchor Detail